

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009303.D
 Acq On : 03 May 2019 11:23
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 LOD-MDL-WATER-01-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 9:28:19 AM

Quant Time: May 04 03:22:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	29727	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	170641	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	147390	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	74405	30.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.57%
60) 4-Bromofluorobenzene	11.13	95	70576	28.18	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.93%
63) Toluene-d8	8.71	98	214059	30.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	1436	0.909 ug/l	100
3) Chloromethane	1.32	50	2256	1.063 ug/l	95
4) Vinyl Chloride	1.40	62	2094	0.989 ug/l #	81
5) Bromomethane	1.64	94	1436	1.070 ug/l	99
6) Chloroethane	1.73	64	1509	1.086 ug/l	93
7) Trichlorofluoromethane	1.93	101	2642	1.010 ug/l	93
8) Diethyl Ether	2.19	74	1353	1.114 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1796	1.109 ug/l	95
10) 1,1-Dichloroethene	2.37	96	1594	0.980 ug/l #	89
11) Methyl Iodide	2.51	142	1144	0.647 ug/l	99
12) Methyl Acetate	2.77	43	3628	1.185 ug/l	95
13) Acrolein	2.29	56	2639	6.283 ug/l	99
14) Acrylonitrile	3.14	53	6653	5.006 ug/l	99
15) Acetone	2.44	58	2357	6.177 ug/l	97
16) Carbon Disulfide	2.57	76	3984	0.906 ug/l	99
17) Allyl chloride	2.73	41	4031	1.033 ug/l	96
18) Methylene Chloride	2.85	84	2229	1.134 ug/l	93
19) trans-1,2-Dichloroethene	3.16	96	1776	1.024 ug/l	91
20) Diisopropyl ether	3.85	45	7909	1.029 ug/l #	82
21) 1,1-Dichloroethane	3.70	63	3710	0.997 ug/l	95
22) cis-1,2-Dichloroethene	4.60	96	2063	0.988 ug/l	89
23) tert-Butyl Alcohol	3.04	59	2971	5.286 ug/l #	98
24) Methyl tert-Butyl Ether	3.19	73	6256	0.983 ug/l #	90
25) Chloroform	5.21	83	3497	1.030 ug/l	93
26) Cyclohexane	5.57	56	2967	0.856 ug/l #	98
29) 1,1-Dichloropropene	5.81	75	2472	0.987 ug/l	88
30) 2-Butanone	4.68	43	10173	5.188 ug/l #	75
31) 2,2-Dichloropropane	4.59	77	2788	1.010 ug/l #	82
32) 1,1,1-Trichloroethane	5.49	97	2835	1.044 ug/l #	47
33) Carbon Tetrachloride	5.79	117	2206	0.971 ug/l	98
34) Benzene	6.14	78	7896	1.023 ug/l	96
35) Methacrylonitrile	5.05	41	2281	1.112 ug/l	81
36) 1,2-Dichloroethane	6.20	62	3178	1.135 ug/l	96
37) Trichloroethene	7.21	130	1812	0.975 ug/l	92
38) Methylcyclohexane	7.46	83	2769	0.895 ug/l	88
39) 1,2-Dichloropropane	7.51	63	2431	1.106 ug/l	91
40) Dibromomethane	7.66	93	1412	1.132 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	2466	0.968	ug/l	94
42) Vinyl Acetate	3.82	43	29043	4.488	ug/l	98
43) Ethyl Acetate	4.84	43	2927	0.826	ug/l	95
44) Isopropyl Acetate	6.45	43	4830	0.841	ug/l	93
45) 1,4-Dioxane	7.74	88	966	17.141	ug/l #	70
46) Methyl methacrylate	7.77	41	2324	0.811	ug/l	84
47) n-amyl Acetate	10.90	43	4271	0.826	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	2377	0.799	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	2749	0.842	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	2101	1.099	ug/l	93
51) Ethyl methacrylate	9.18	69	2938	0.832	ug/l	98
52) 1,3-Dichloropropane	9.37	76	3340	0.985	ug/l	96
53) Dibromochloromethane	9.58	129	1642	0.863	ug/l	96
54) 1,2-Dibromoethane	9.67	107	1935	0.987	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	8382	4.453	ug/l	99
56) Bromoform	10.85	173	1150	0.787	ug/l #	88
58) 4-Methyl-2-Pentanone	8.64	43	17646	4.869	ug/l	98
59) 2-Hexanone	9.49	43	13273	4.669	ug/l	99
61) Tetrachloroethene	9.34	164	1769	1.089	ug/l	96
62) Toluene	8.78	91	8164	1.037	ug/l	100
64) Chlorobenzene	10.13	112	5000	1.055	ug/l	93
65) 1,1,1,2-Tetrachloroethane	10.22	131	1501	0.865	ug/l	78
66) Ethyl Benzene	10.25	91	8412	0.959	ug/l	96
67) m/p-Xylenes	10.36	106	6041	1.886	ug/l	94
68) o-Xylene	10.70	106	2871	0.911	ug/l	96
69) Styrene	10.71	104	4665	0.844	ug/l	97
70) Isopropylbenzene	11.02	105	8028	0.948	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	3116	1.004	ug/l	96
72) 1,2,3-Trichloropropane	11.29	75	3096m	1.158	ug/l	
73) Bromobenzene	11.26	156	2012	0.961	ug/l	96
74) n-propylbenzene	11.36	91	8601	0.876	ug/l	99
75) 2-Chlorotoluene	11.42	91	5706	0.969	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	6496	0.905	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	847	0.785	ug/l #	83
78) 4-Chlorotoluene	11.51	91	5605	0.838	ug/l	94
79) tert-butylbenzene	11.77	119	6033	0.870	ug/l	92
80) 1,2,4-Trimethylbenzene	11.80	105	6430	0.894	ug/l	98
81) sec-Butylbenzene	11.94	105	7270	0.882	ug/l	98
82) p-Isopropyltoluene	12.06	119	6197	0.827	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	3319	0.888	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	3292	0.884	ug/l	92
85) n-Butylbenzene	12.38	91	5134	0.748	ug/l	96
86) Hexachloroethane	12.59	117	1045	0.819	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	3508	0.932	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	719	0.997	ug/l	88
89) 1,2,4-Trichlorobenzene	13.65	180	2074m	0.773	ug/l	
90) Hexachlorobutadiene	13.78	225	1241	0.926	ug/l	97
91) Naphthalene	13.83	128	6358	0.724	ug/l #	96
92) 1,2,3-Trichlorobenzene	14.02	180	2420	0.888	ug/l	99

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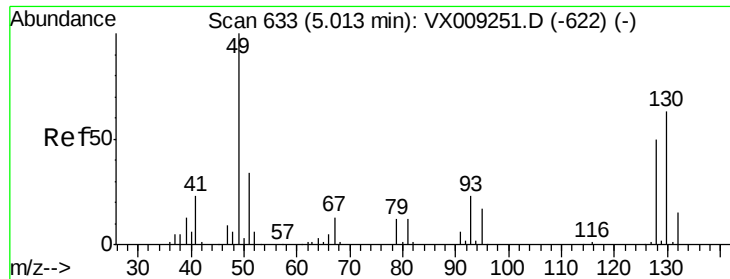
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

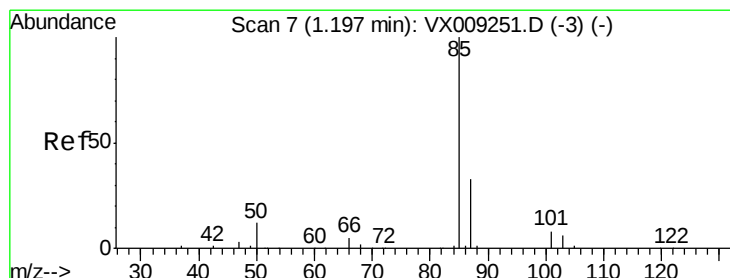
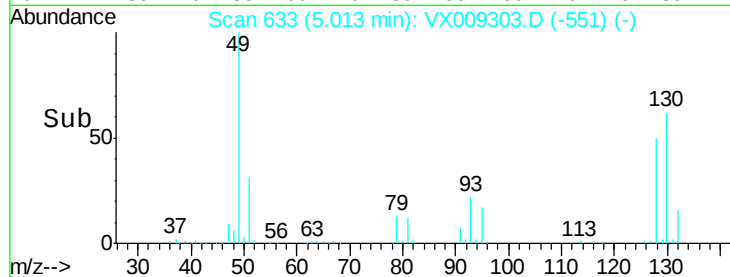
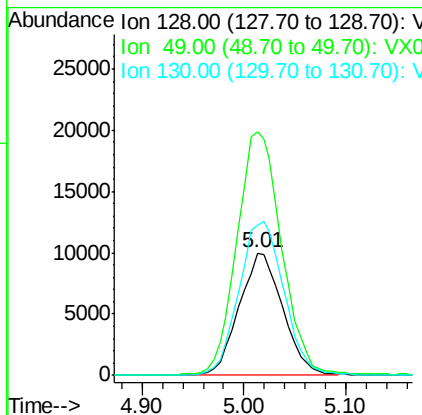
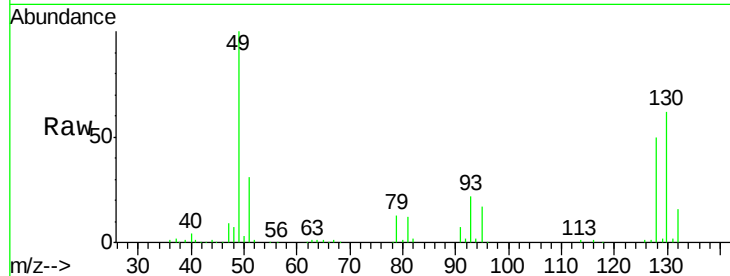
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	128	Resp:	29727
Ion	Ratio	Lower	Upper
128	100		
49	204.1	0.0	515.0
130	129.1	0.0	323.3

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#2

Dichlorodifluoromethane

Concen: 0.909 ug/l

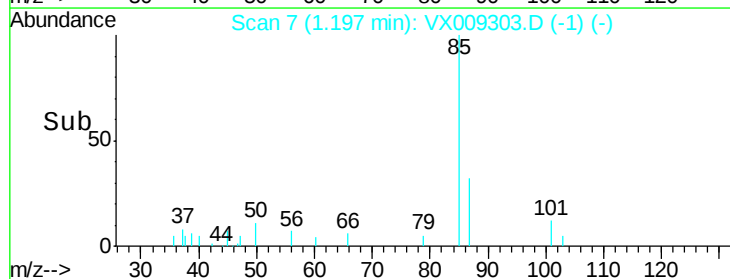
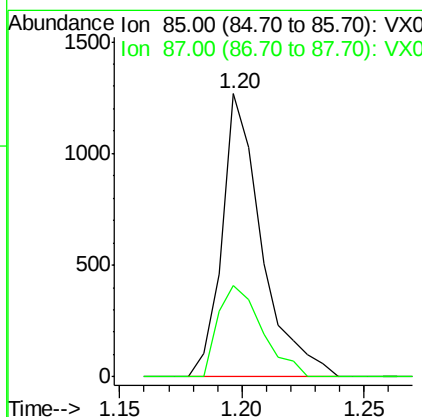
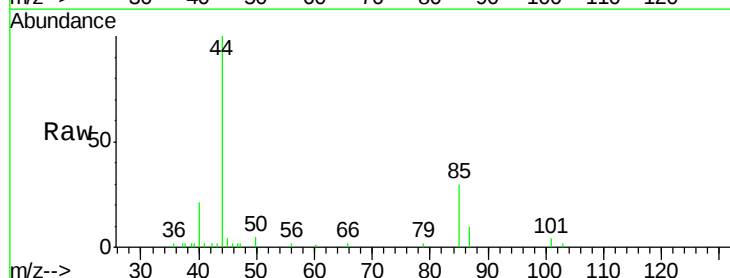
RT: 1.20 min Scan# 7

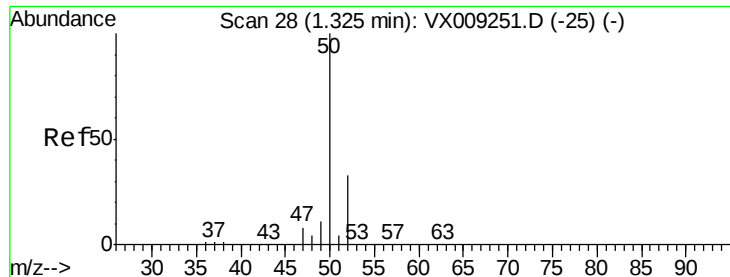
Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Tgt Ion:	85	Resp:	1436
Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.3	48.9





#3

Chloromethane

Concen: 1.063 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 50 Resp: 2256

Ion Ratio Lower Upper

50 100

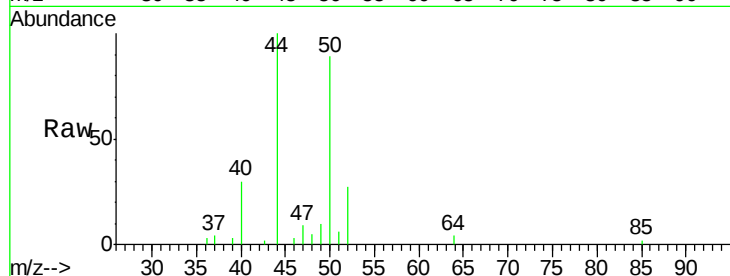
52 30.1 26.3 39.5

Manual Integrations

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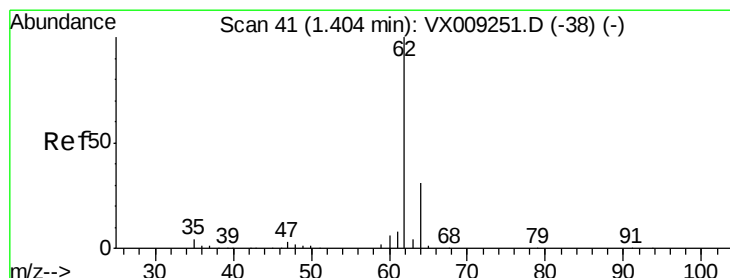
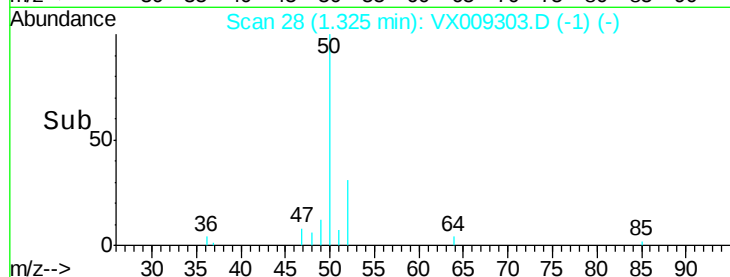
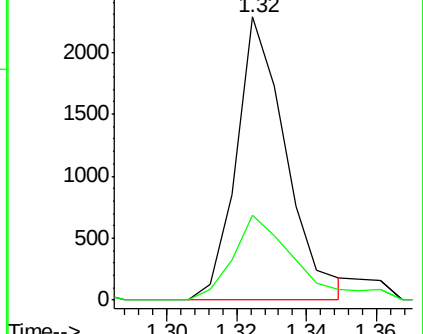
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 0.989 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX009303.D

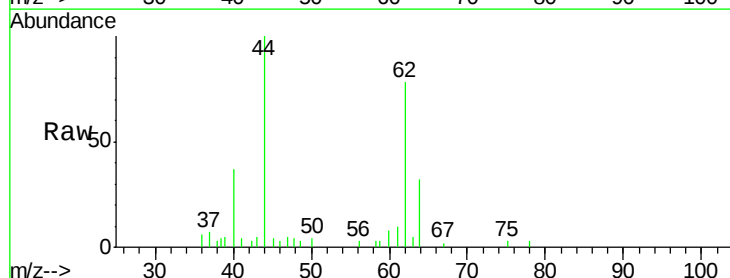
Acq: 03 May 2019 11:23

Tgt Ion: 62 Resp: 2094

Ion Ratio Lower Upper

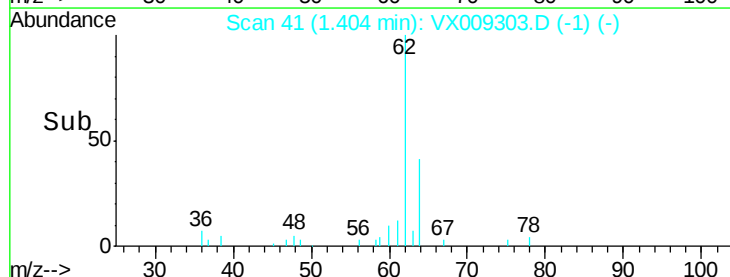
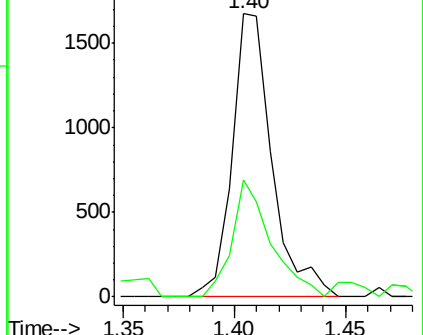
62 100

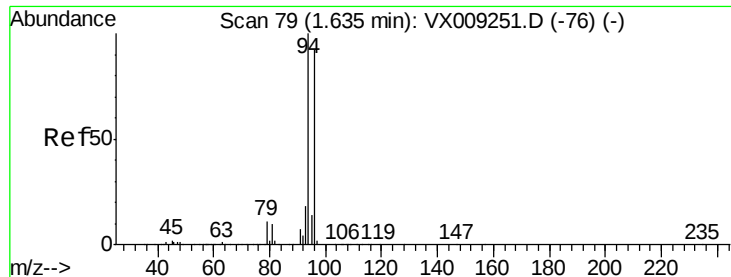
64 41.2 24.6 36.8#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 1.070 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 94 Resp: 1436

Ion Ratio Lower Upper

94 100

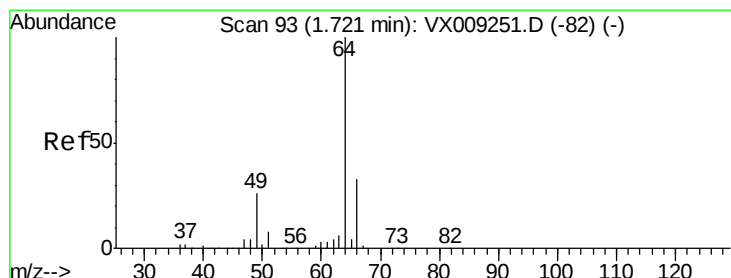
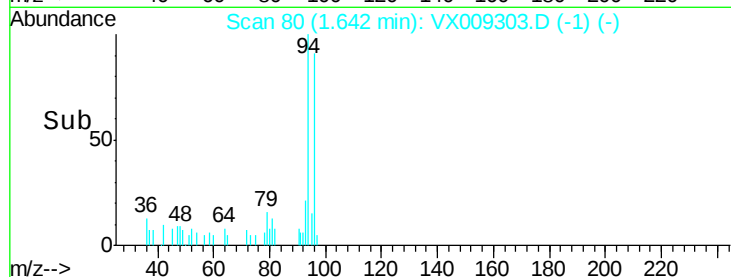
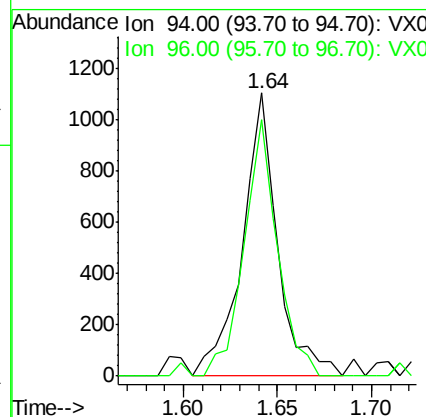
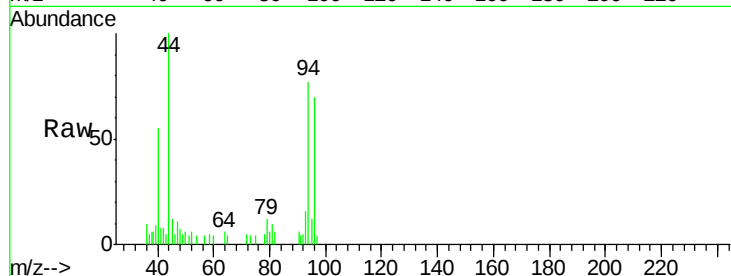
96 90.8 73.5 110.3

Manual Integrations

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#6

Chloroethane

Concen: 1.086 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX009303.D

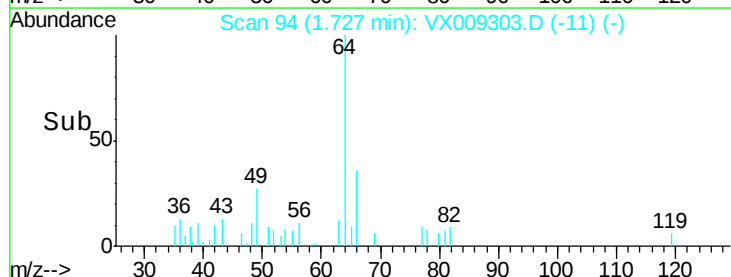
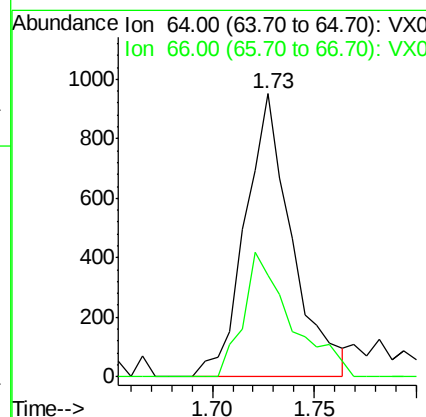
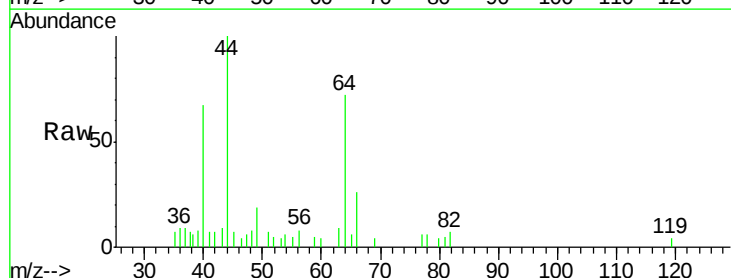
Acq: 03 May 2019 11:23

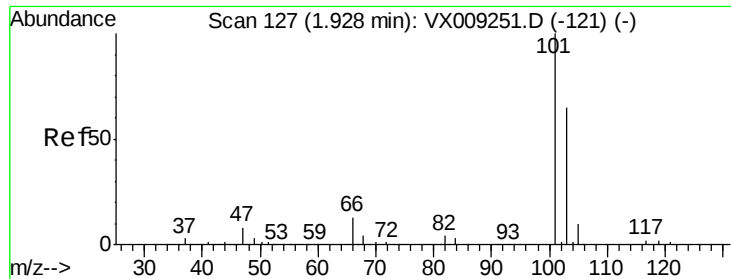
Tgt Ion: 64 Resp: 1509

Ion Ratio Lower Upper

64 100

66 36.1 25.9 38.9





#7

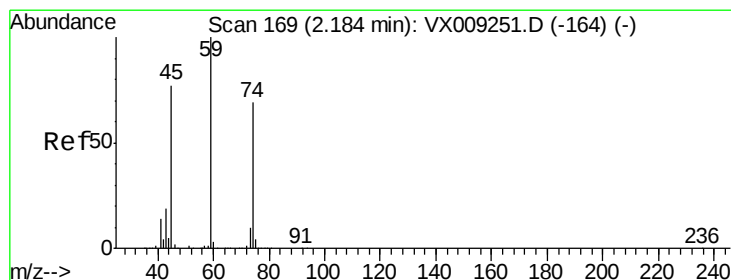
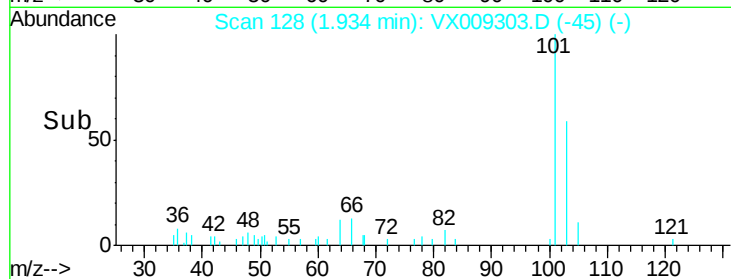
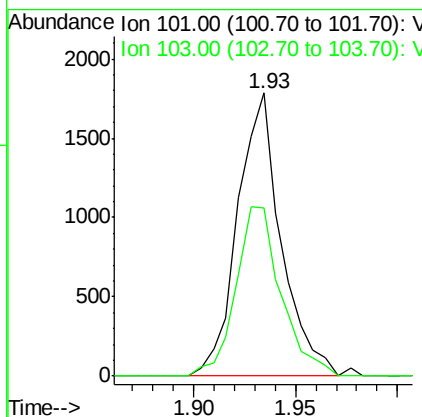
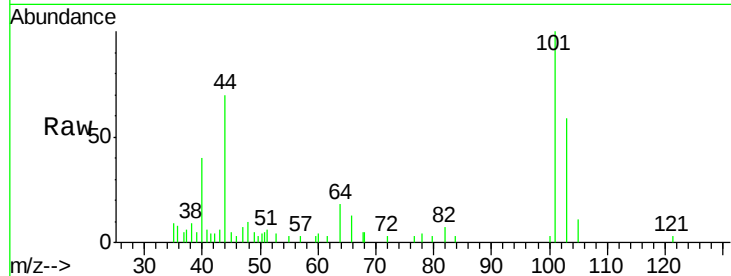
Trichlorofluoromethane
 Concen: 1.010 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Instrument :
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 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.2	51.9	77.9

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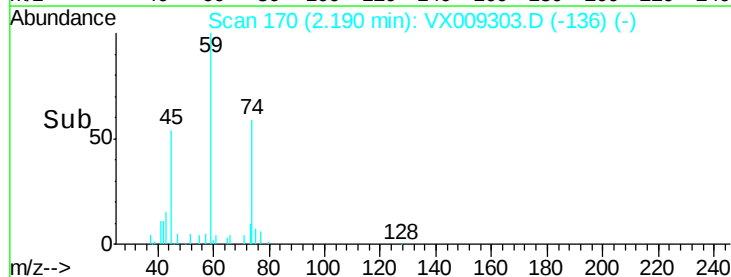
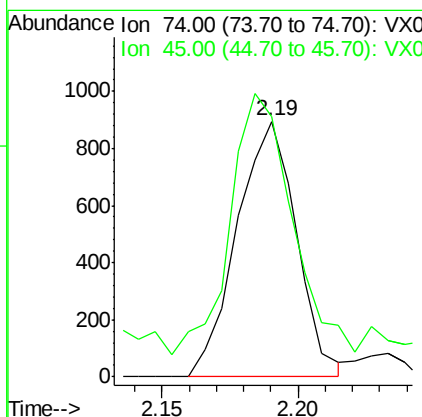
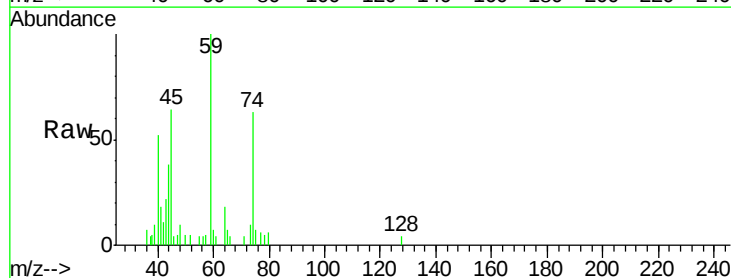
MMDadoda
 5/6/2019 9:28:19 AM

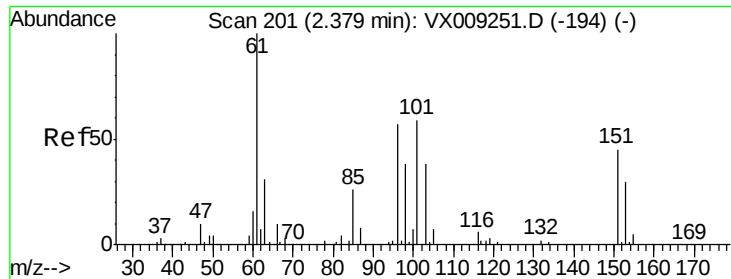


#8

Diethyl Ether
 Concen: 1.114 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.1	21.5	193.9





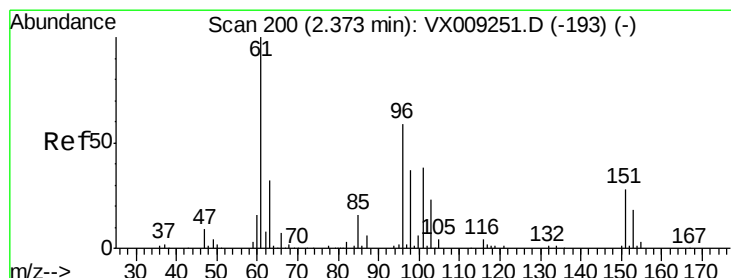
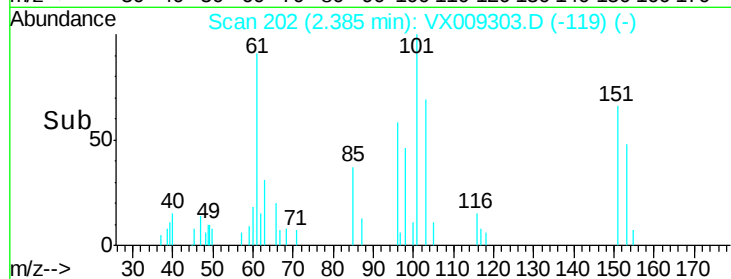
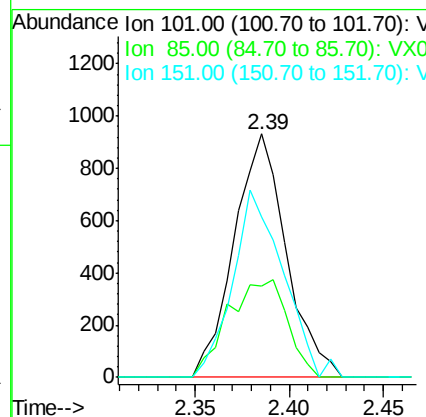
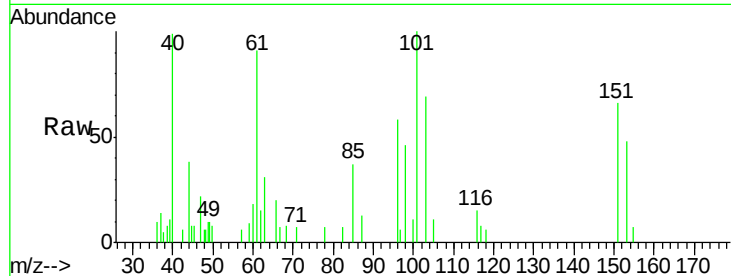
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.109 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. 0.01 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
101	100	1796		
85	45.3	0.0	87.4	
151	72.7	0.0	157.0	

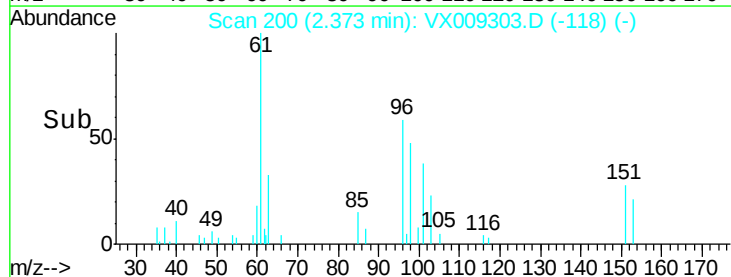
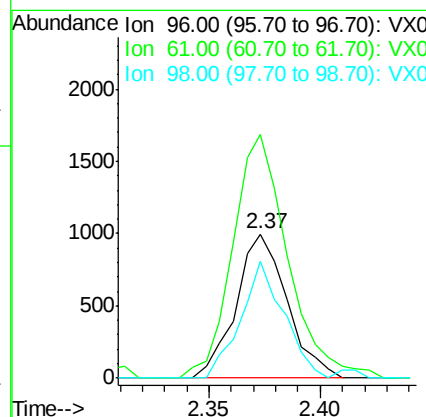
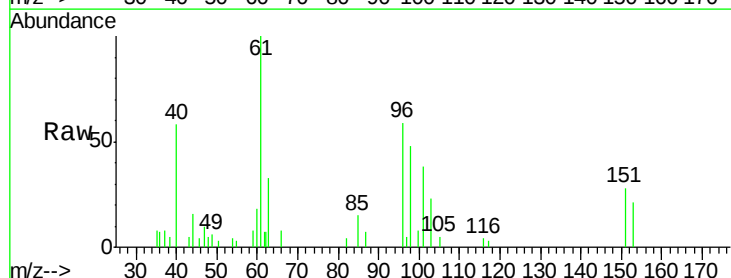
Manual Integrations
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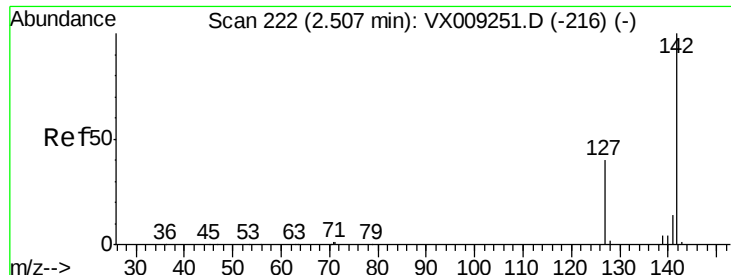
MMDadoda
 5/6/2019 9:28:19 AM



#10
 1,1-Dichloroethene
 Concen: 0.980 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	1594		
61	161.8	136.5	204.7	
98	80.9	51.0	76.4	





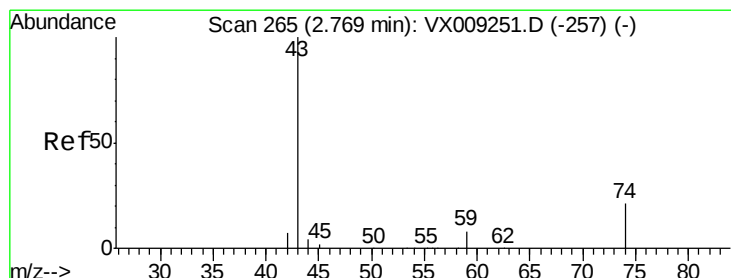
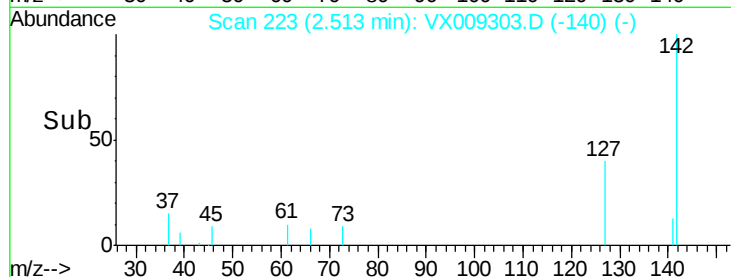
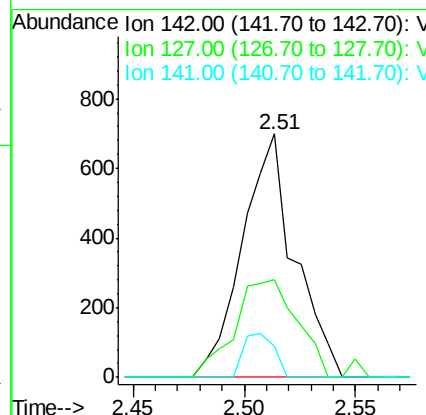
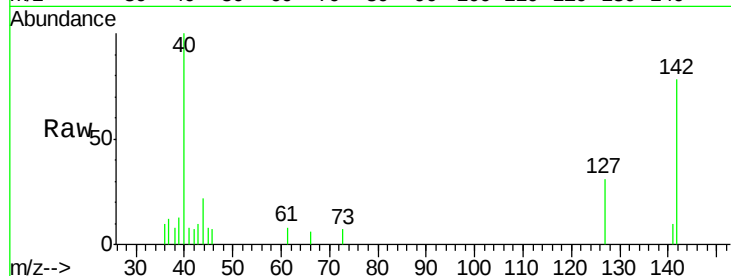
#11
Methvl Iodide
Concen: 0.647 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.1	20.2	60.5
141	12.7	6.9	20.7

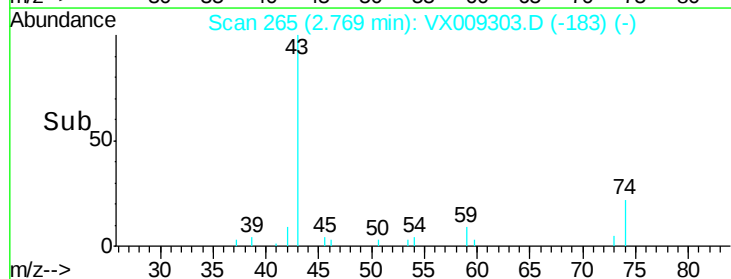
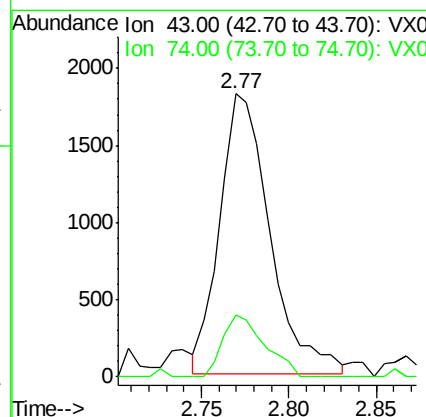
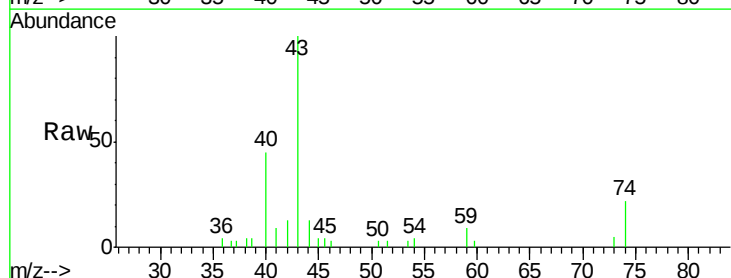
Manual Integrations
APPROVED

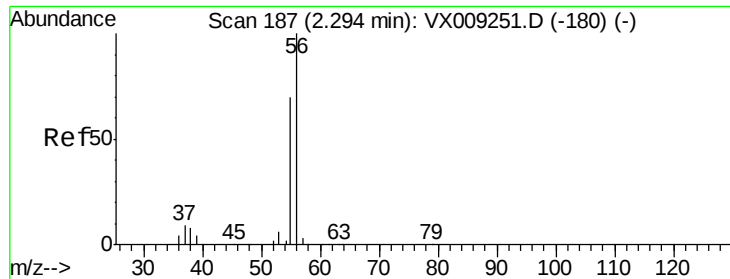
MMDadoda
5/6/2019 9:28:19 AM



#12
Methyl Acetate
Concen: 1.185 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	16.5	24.7





#13

Acrolein

Concen: 6.283 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 56 Resp: 2639

Ion Ratio Lower Upper

56 100

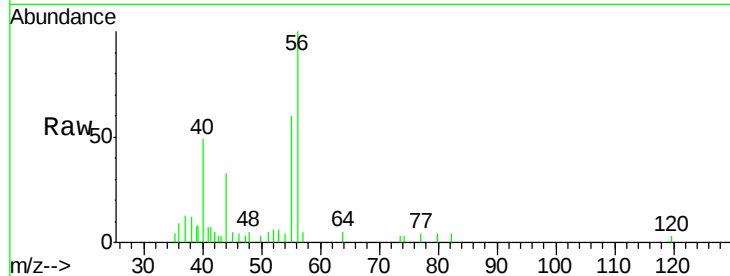
55 70.4 56.9 85.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2000

1500

1000

500

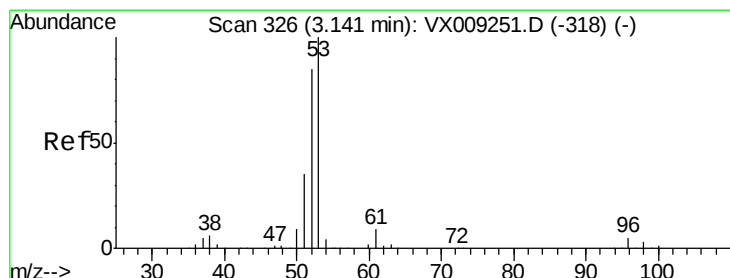
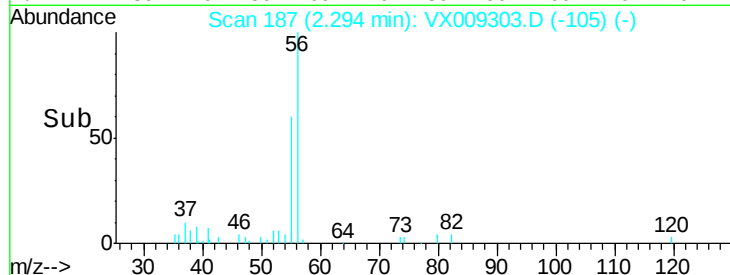
0

2.25

2.30

2.35

Time-->



#14

Acrylonitrile

Concen: 5.006 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

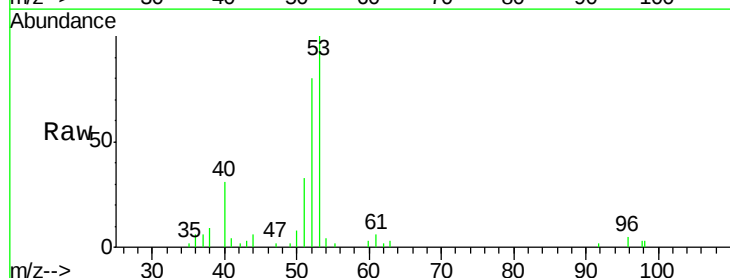
Tgt Ion: 53 Resp: 6653

Ion Ratio Lower Upper

53 100

52 81.6 41.5 124.5

51 35.5 17.8 53.3



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

4000

3000

2000

1000

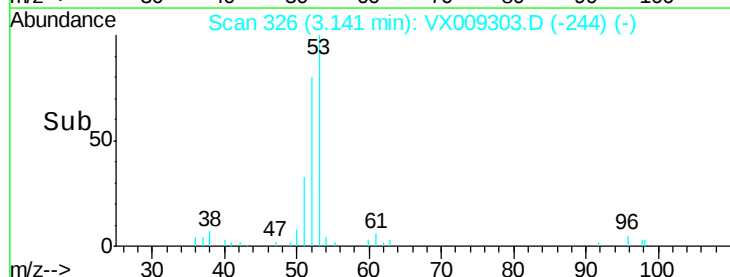
0

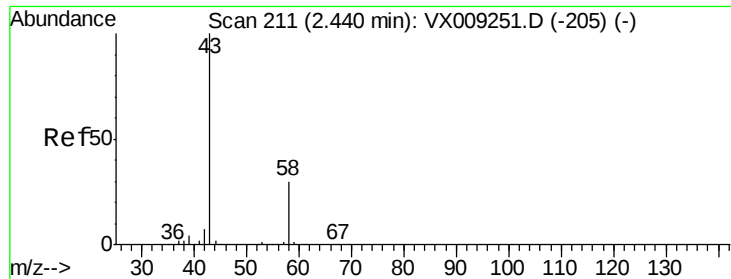
3.10

3.15

3.20

Time-->





#15

Acetone

Concen: 6.177 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 58 Resp: 2357

Ion Ratio Lower Upper

58 100

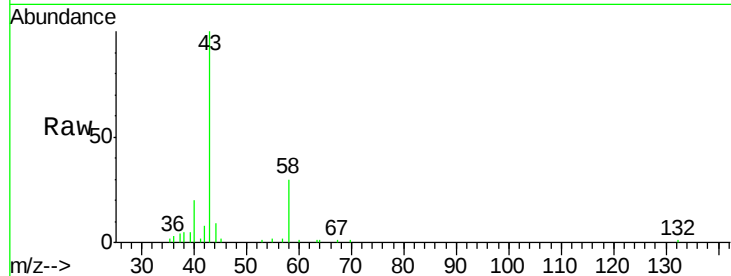
43 324.4 264.0 396.0

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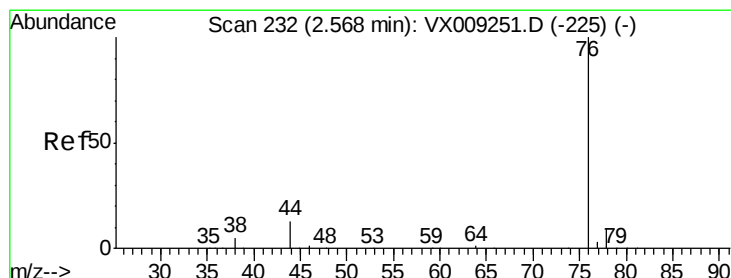
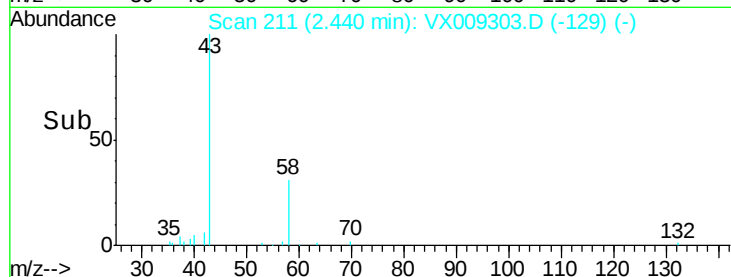
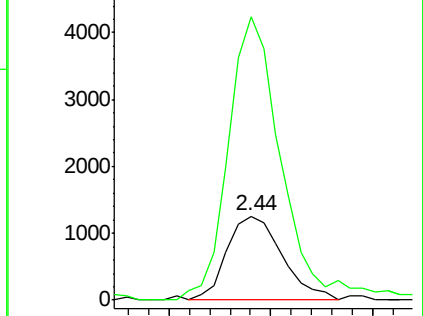
MMDadoda

5/6/2019 9:28:19 AM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 0.906 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009303.D

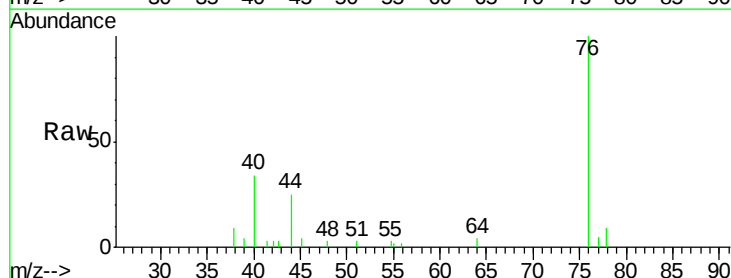
Acq: 03 May 2019 11:23

Tgt Ion: 76 Resp: 3984

Ion Ratio Lower Upper

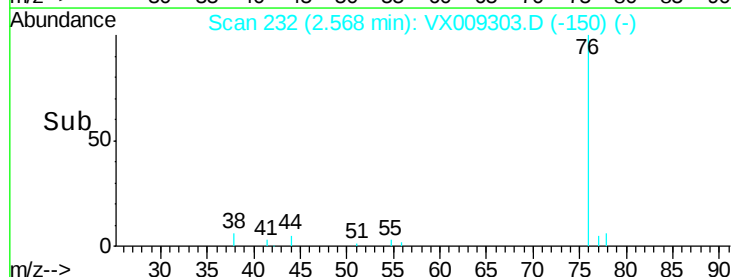
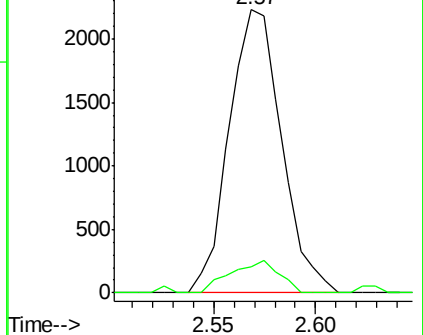
76 100

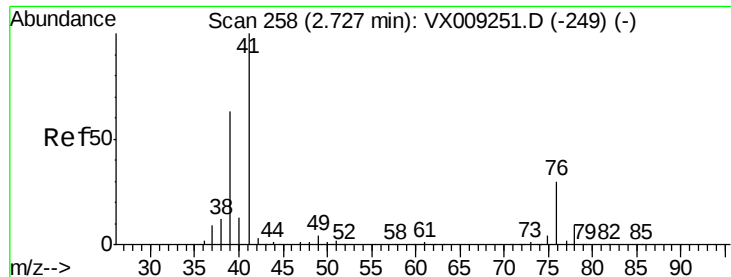
78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





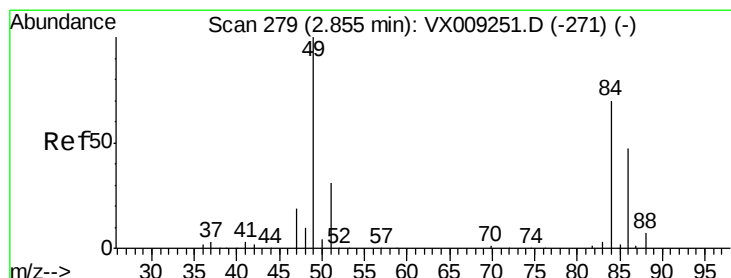
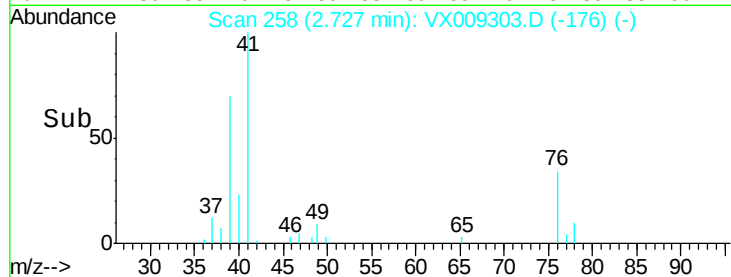
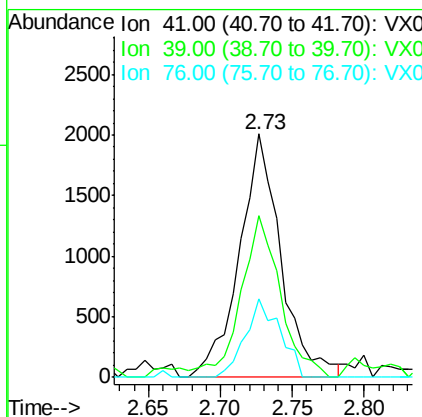
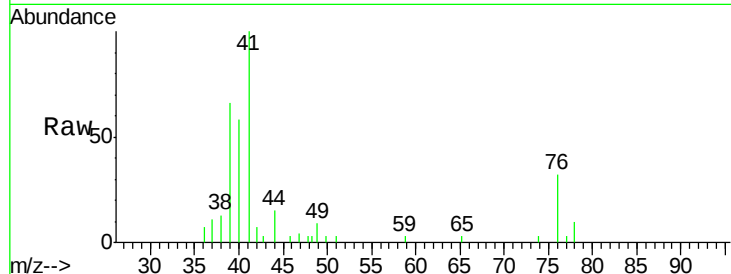
#17
Allvl chloride
Concen: 1.033 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:	41	Resp:	4031
Ion	Ratio	Lower	Upper
41	100		
39	66.2	31.6	94.7
76	32.4	15.1	45.3

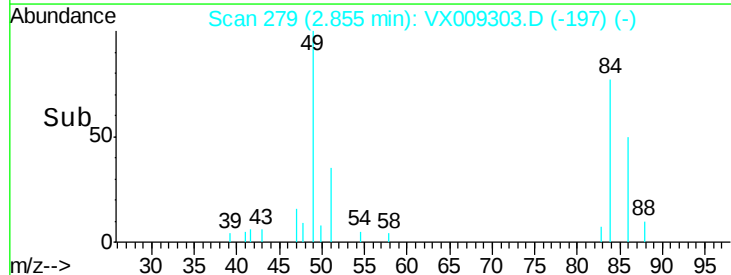
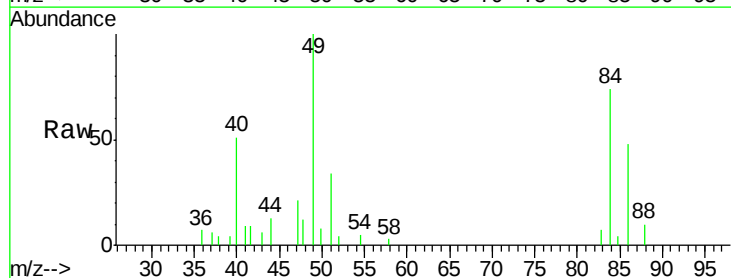
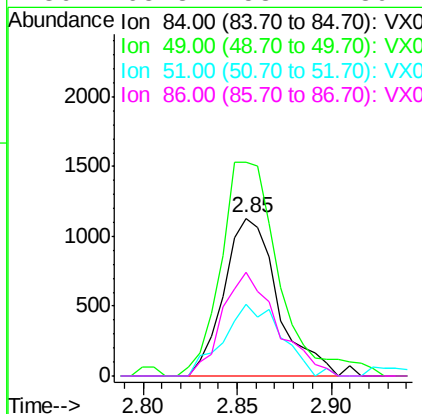
Manual Integrations
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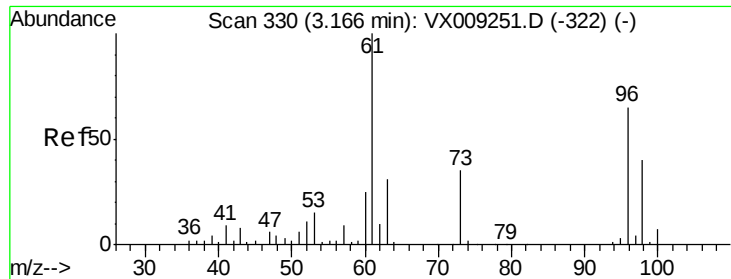
MMDadoda
5/6/2019 9:28:19 AM



#18
Methylene Chloride
Concen: 1.134 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion:	84	Resp:	2229
Ion	Ratio	Lower	Upper
84	100		
49	129.5	114.6	171.8
51	45.7	35.5	53.3
86	65.3	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 1.024 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

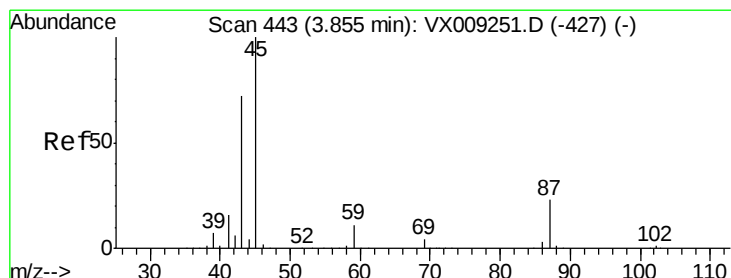
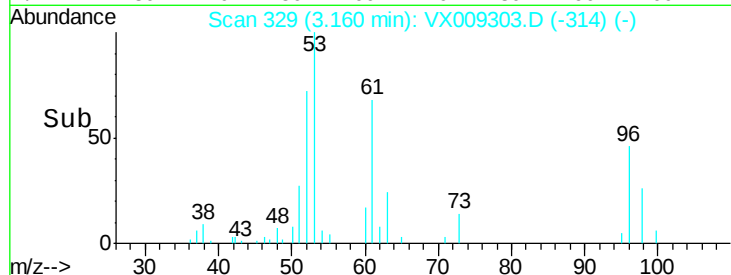
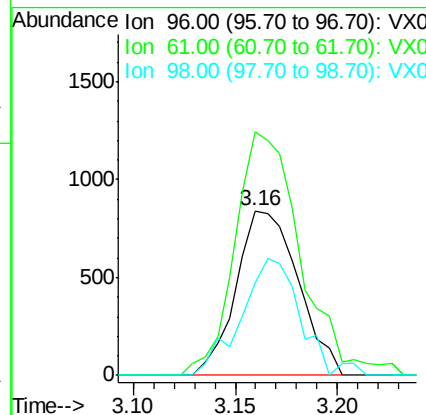
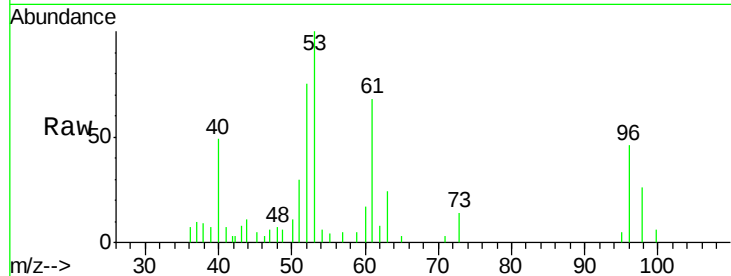
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	96	Resp:	1776
Ion	Ratio	Lower	Upper
96	100		
61	140.9	122.7	184.1
98	56.4	49.5	74.3

Manual Integrations
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#20

Diisopropyl ether

Concen: 1.029 ug/l

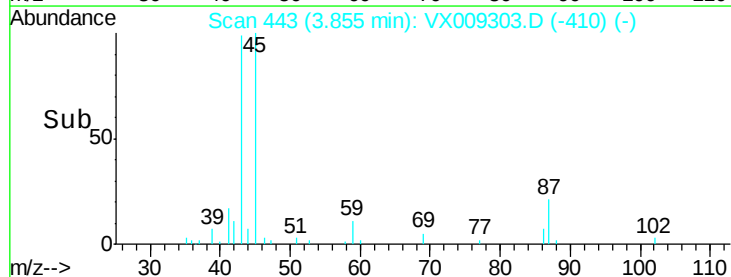
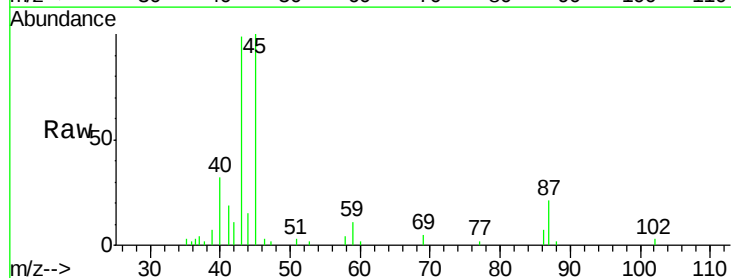
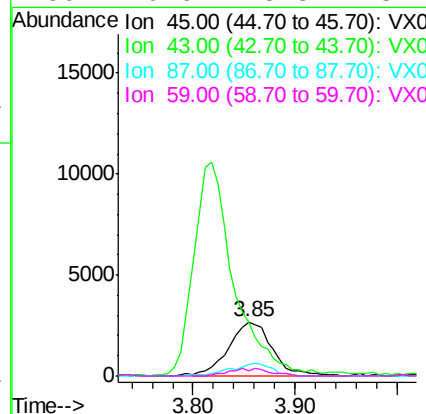
RT: 3.85 min Scan# 443

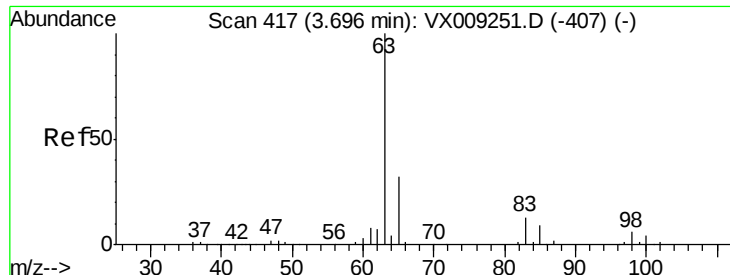
Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Tgt Ion:	45	Resp:	7909
Ion	Ratio	Lower	Upper
45	100		
43	92.4	57.7	86.5#
87	20.9	18.5	27.7
59	10.6	8.8	13.2





#21

1,1-Dichloroethane

Concen: 0.997 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

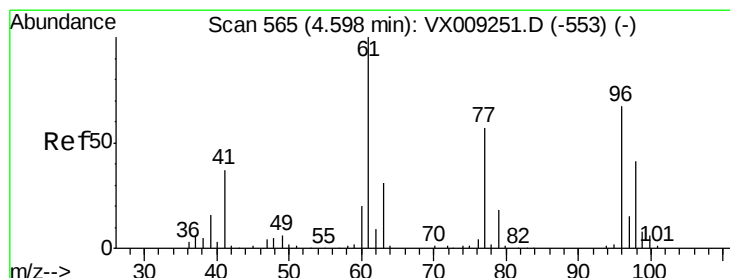
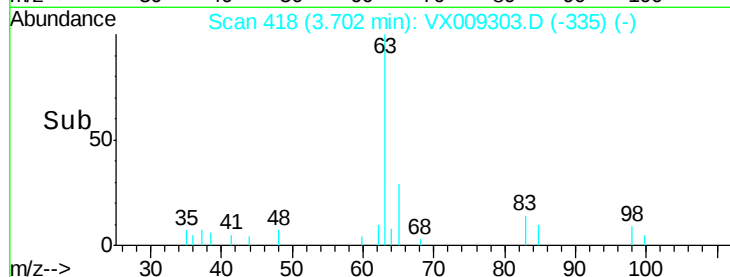
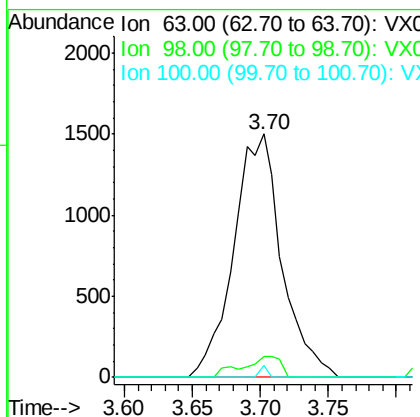
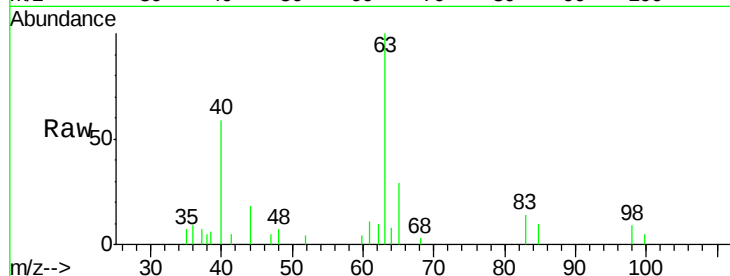
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	63	Resp:	3710
Ion	Ratio	Lower	Upper
63	100		
98	8.8	3.1	9.3
100	4.9	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 0.988 ug/l

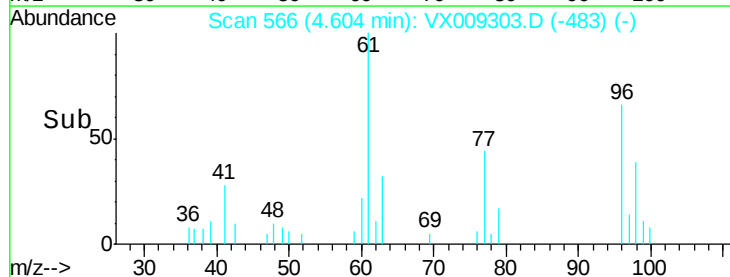
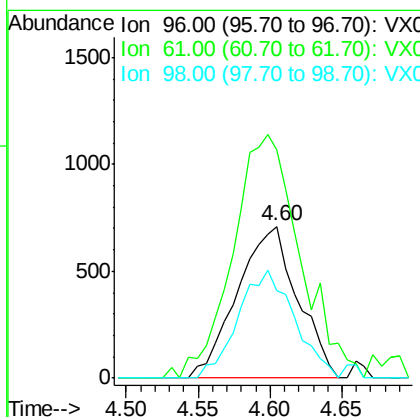
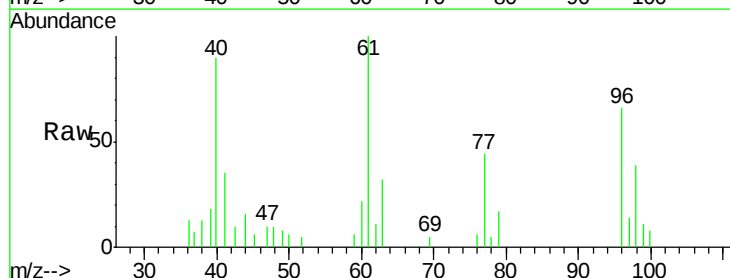
RT: 4.60 min Scan# 566

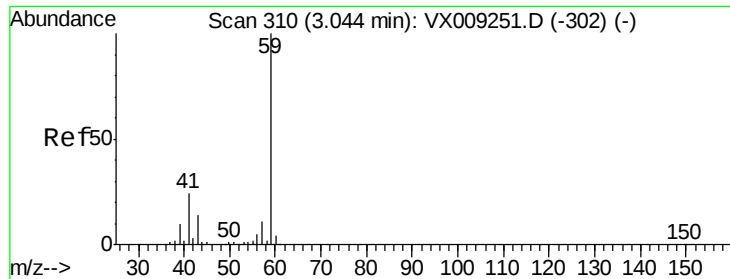
Delta R.T. 0.01 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Tgt Ion:	96	Resp:	2063
Ion	Ratio	Lower	Upper
96	100		
61	178.4	127.7	191.5
98	66.6	50.5	75.7





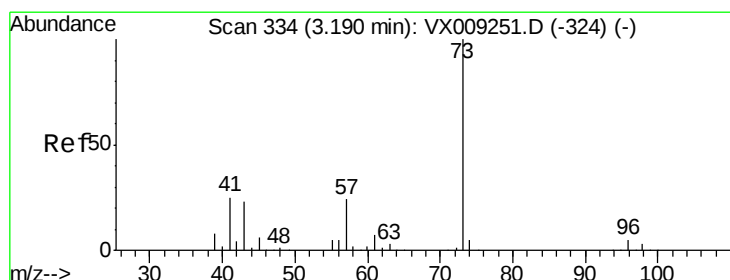
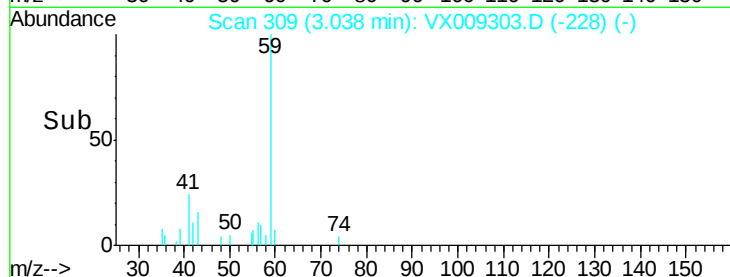
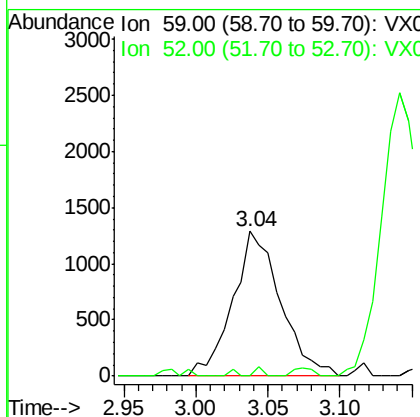
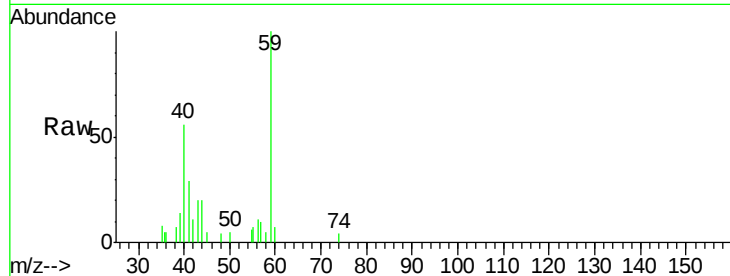
#23
tert-Butyl Alcohol
Concen: 5.286 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 59 Resp: 2971
Ion Ratio Lower Upper
59 100
52 2.3 0.2 0.2#

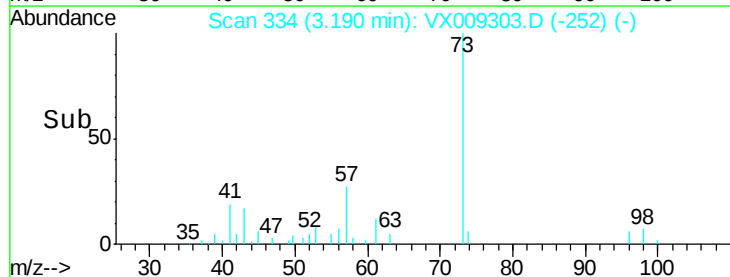
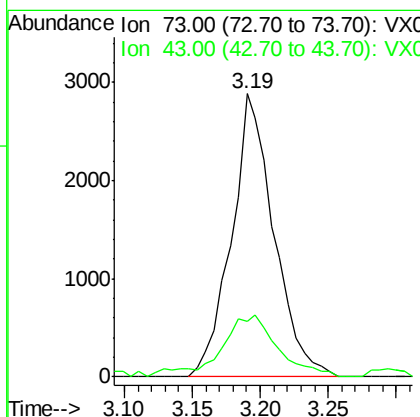
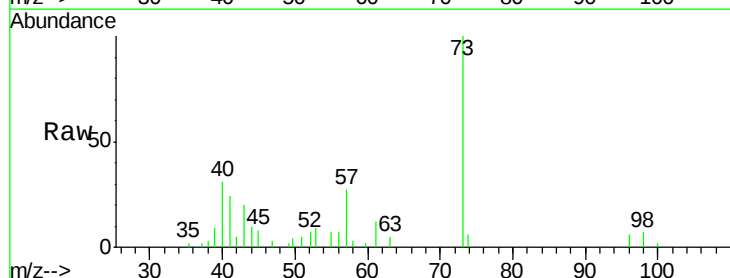
Manual Integrations
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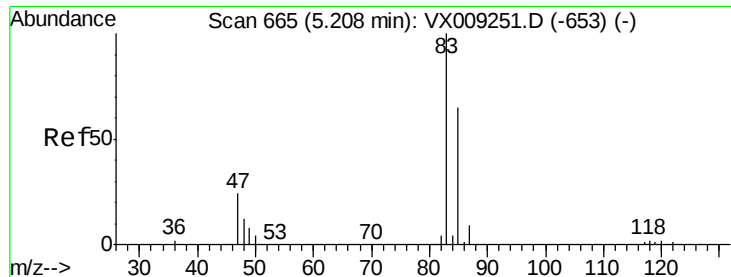
MMDadoda
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#24
Methyl tert-Butyl Ether
Concen: 0.983 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion: 73 Resp: 6256
Ion Ratio Lower Upper
73 100
43 27.0 17.6 26.4#





#25

Chloroform

Concen: 1.030 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 83 Resp: 3497

Ion Ratio Lower Upper

83 100

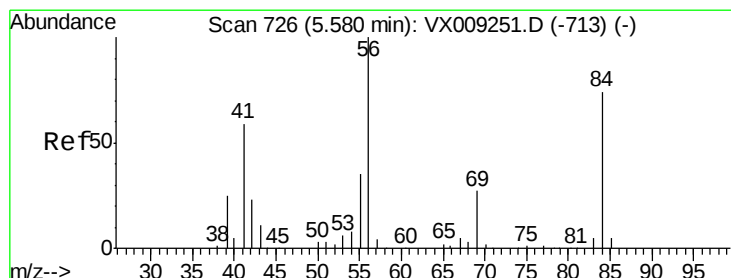
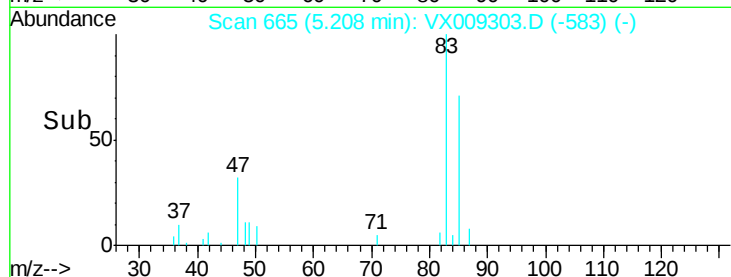
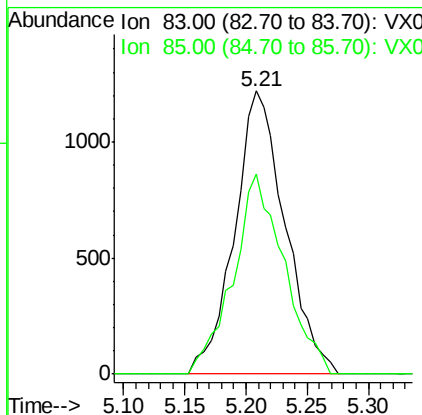
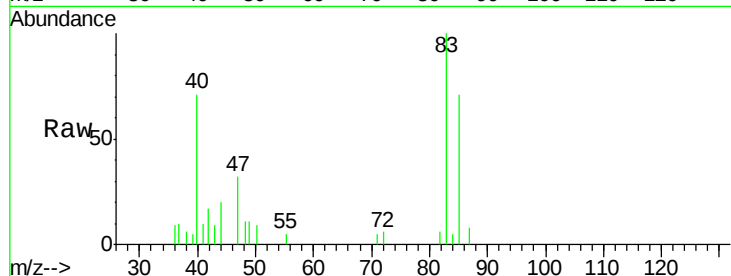
85 70.5 51.9 77.9

Manual Integrations

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MMDadoda

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#26

Cyclohexane

Concen: 0.856 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

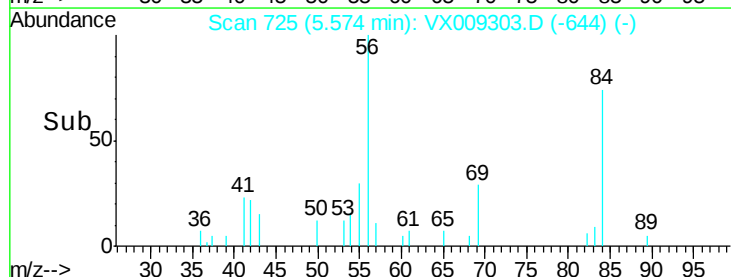
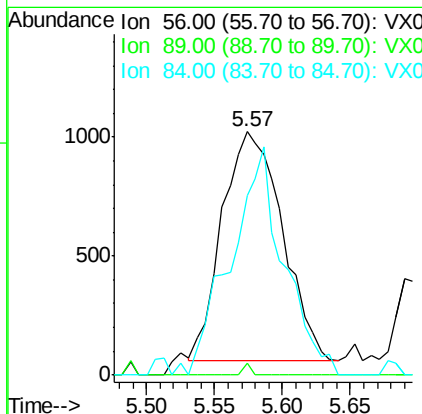
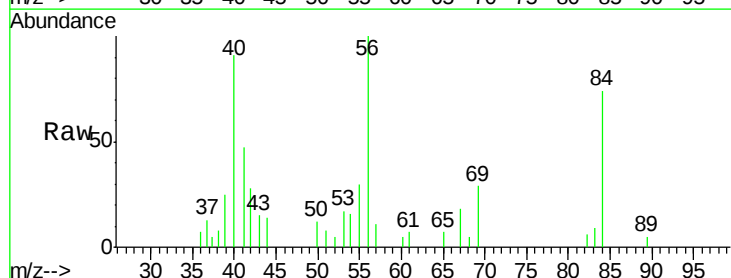
Tgt Ion: 56 Resp: 2967

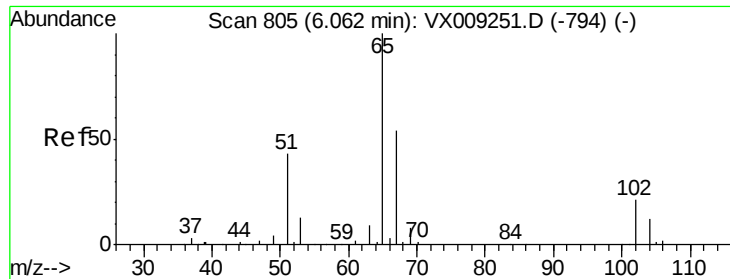
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 73.2 59.7 89.5





#27

1,2-Dichloroethane-d4

Concen: 30.173 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Tot Ion: 65 Resp: 74405

Ion Ratio Lower Upper

65 100

67 53.1 43.1 64.7

Instrument :

MSVOA_X

ClientSampleId :

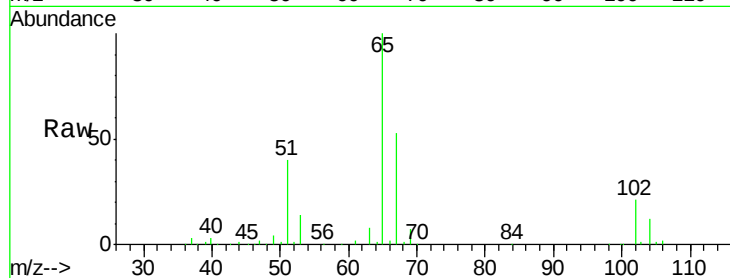
LOD-MDL-WATER-01-QT2-2019

Manual Integrations

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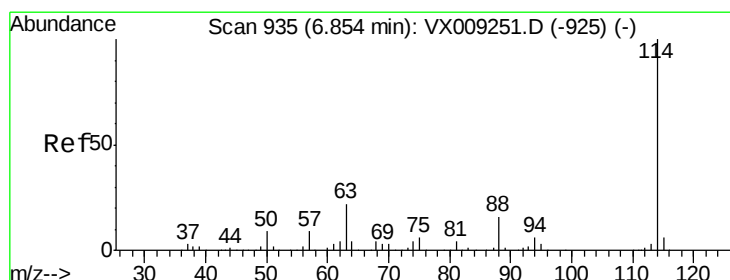
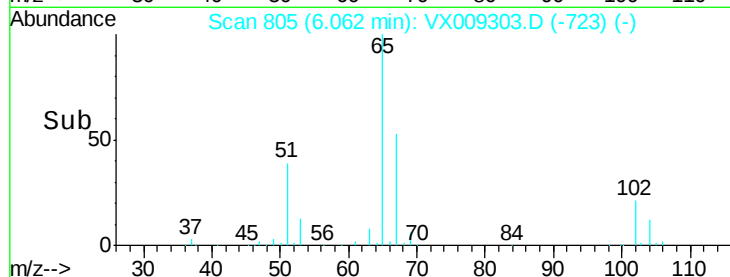
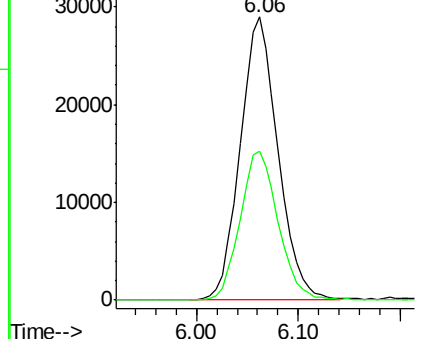
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.01 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

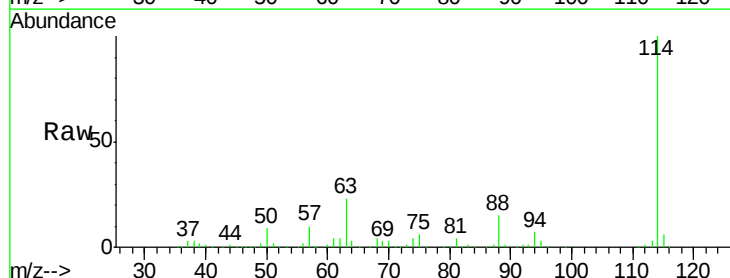
Tgt Ion: 114 Resp: 170641

Ion Ratio Lower Upper

114 100

63 23.3 18.0 27.0

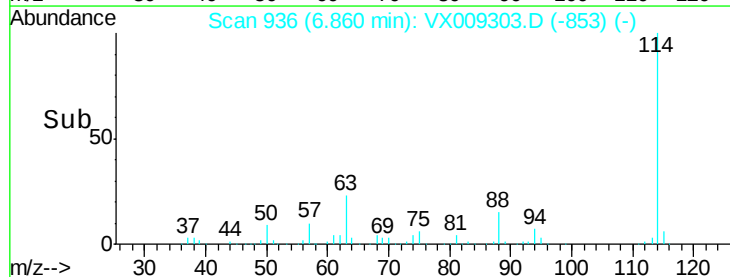
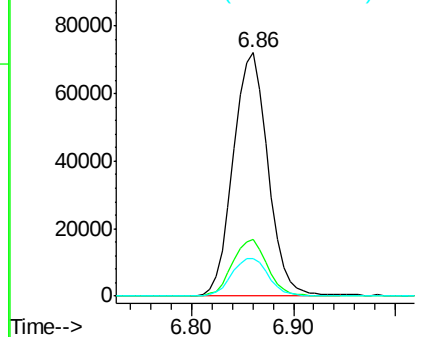
88 16.1 13.4 20.0

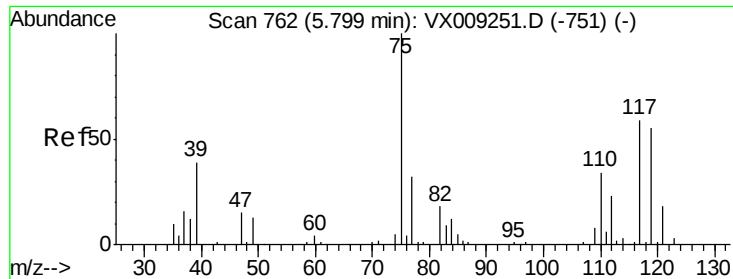


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





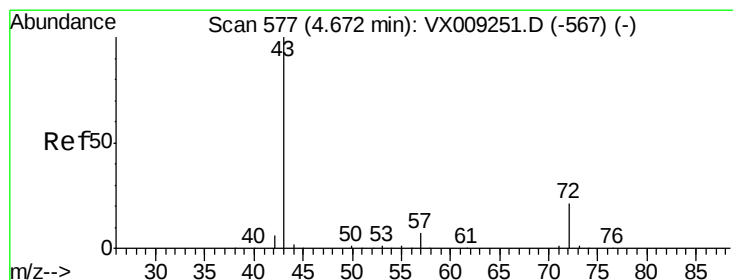
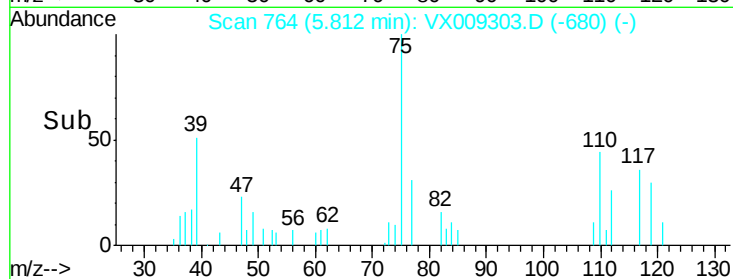
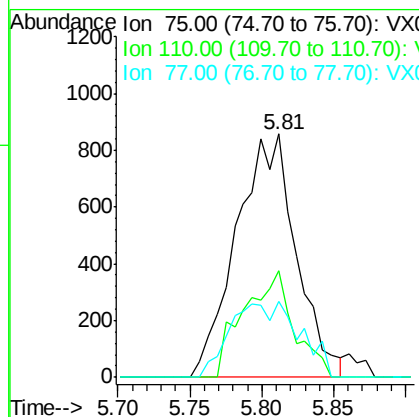
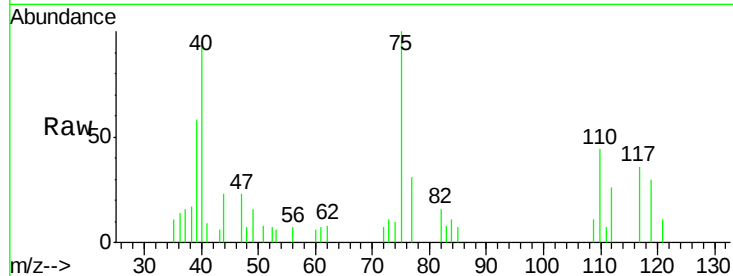
#29
 1,1-Dichloropropene
 Concen: 0.987 ug/l
 RT: 5.81 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.8	0.0	66.4
77	21.1	0.0	62.2

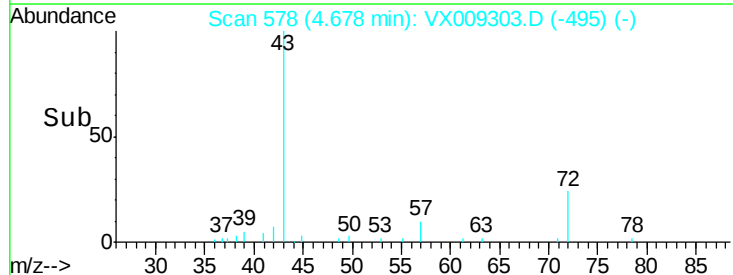
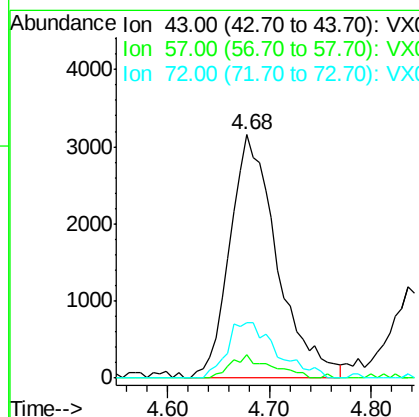
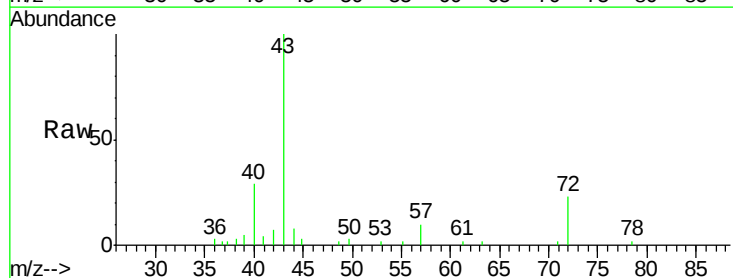
Manual Integrations
 APPROVED

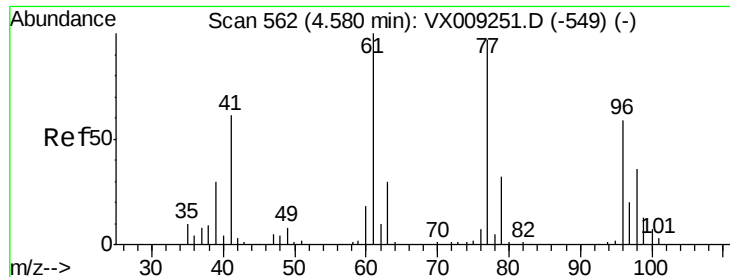
MMDadoda
 5/6/2019 9:28:19 AM



#30
 2-Butanone
 Concen: 5.188 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
57	4.4	6.0	9.0#
72	7.9	18.2	27.4#





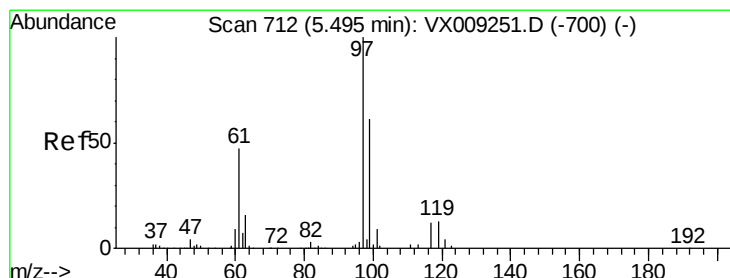
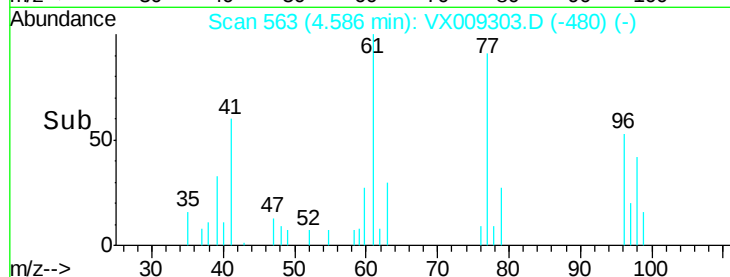
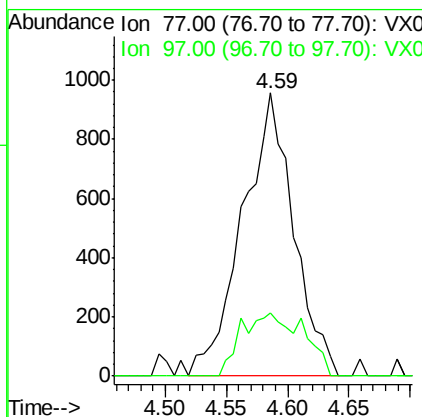
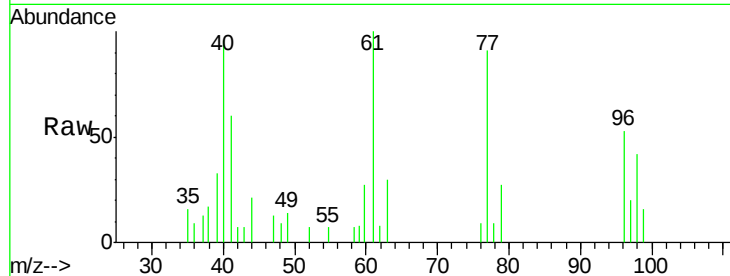
#31
 2,2-Dichloropropane
 Concen: 1.010 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion: 77 Resp: 2788
 Ion Ratio Lower Upper
 77 100
 97 14.4 18.3 27.5#

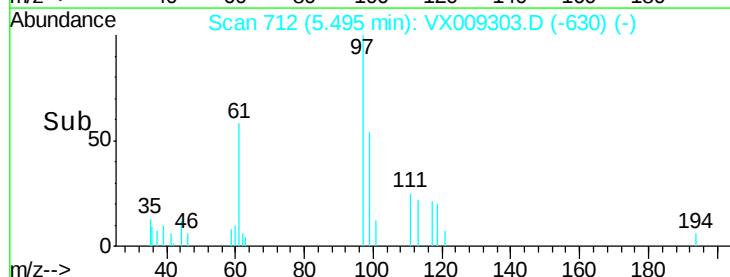
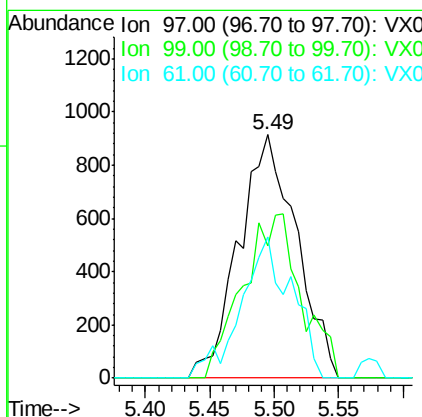
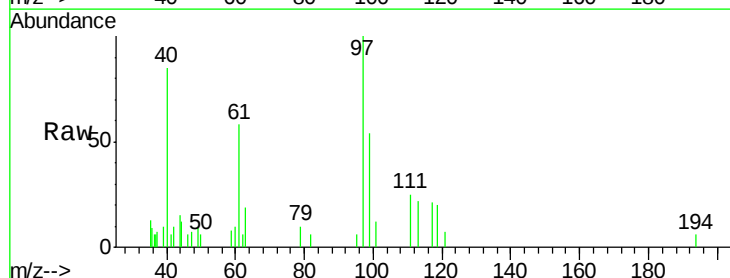
Manual Integrations
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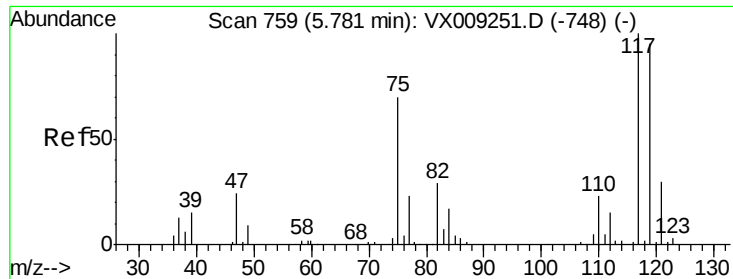
MMDadoda
 5/6/2019 9:28:19 AM



#32
 1,1,1-Trichloroethane
 Concen: 1.044 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Tgt Ion: 97 Resp: 2835
 Ion Ratio Lower Upper
 97 100
 99 6.3 53.9 80.9#
 61 34.6 38.6 58.0#





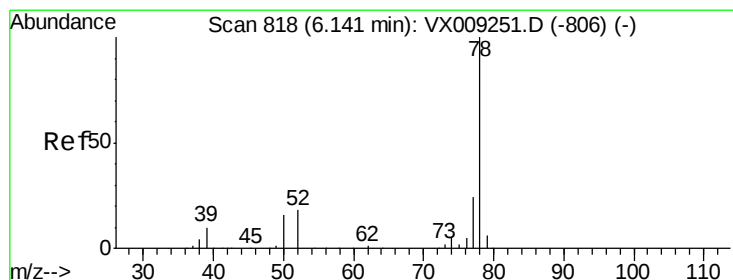
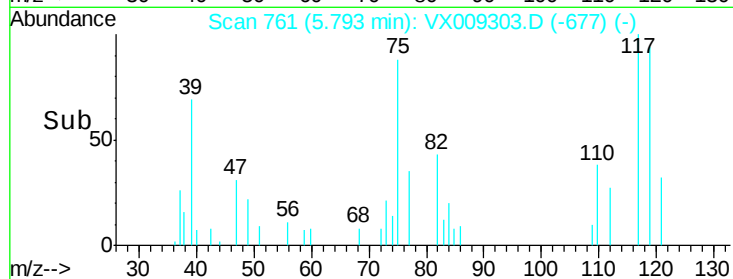
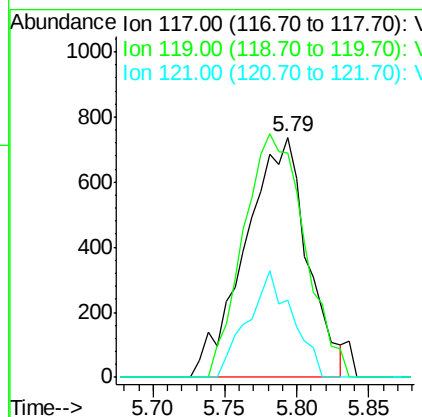
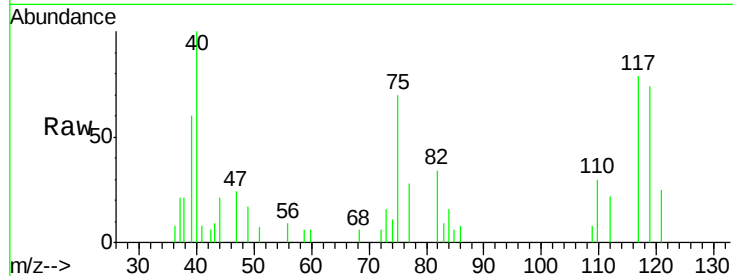
#33
Carbon Tetrachloride
Concen: 0.971 ug/l
RT: 5.79 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.1	114.1
121	32.0	24.4	36.6

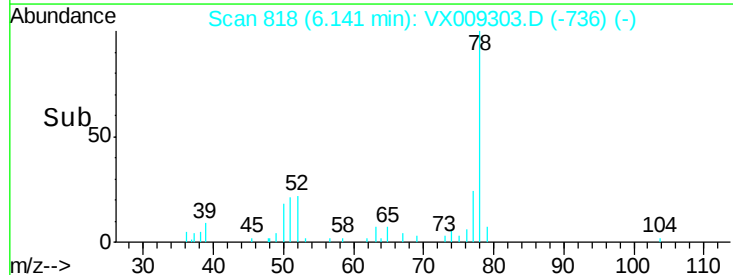
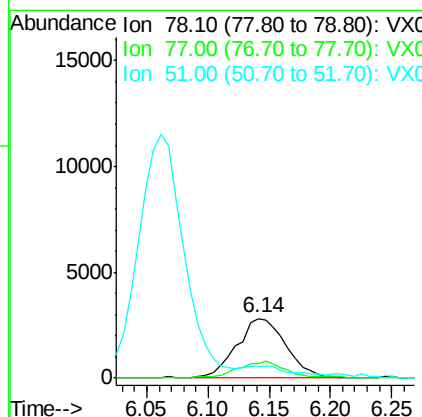
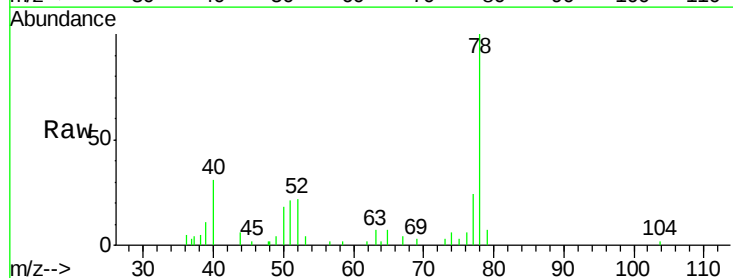
Manual Integrations
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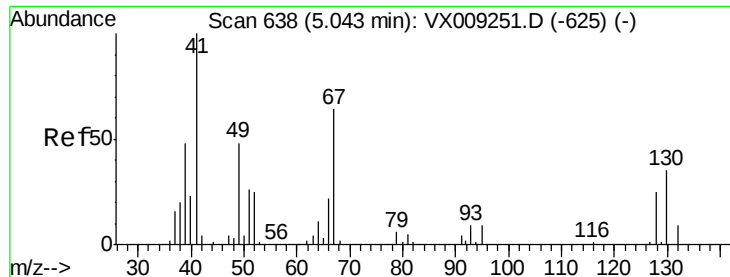
MMDadoda
5/6/2019 9:28:19 AM



#34
Benzene
Concen: 1.023 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2
51	13.9	13.5	20.3





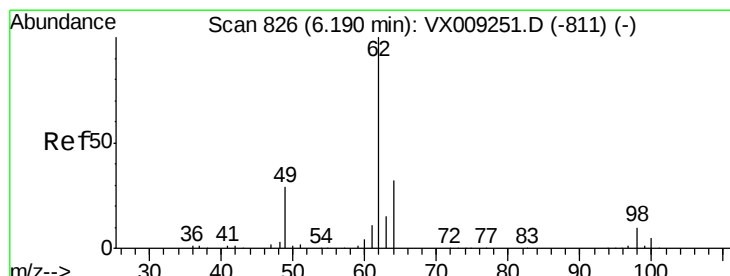
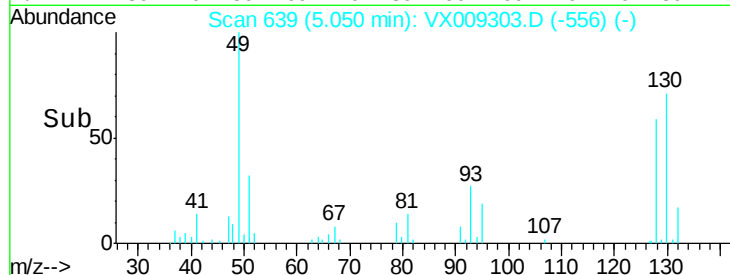
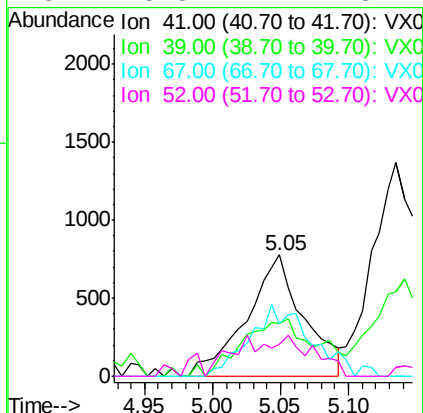
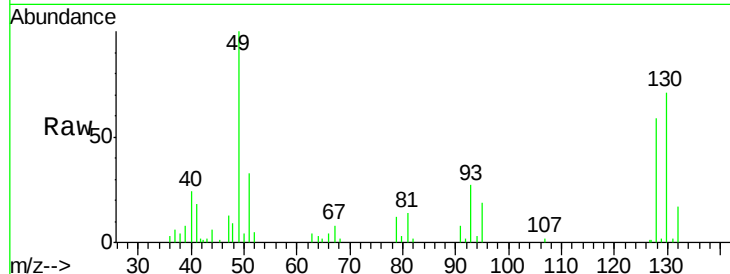
#35
Methacrylonitrile
Concen: 1.112 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	41	Resp:	2281
Ion	Ratio	Lower	Upper
41	100		
39	42.9	24.1	72.3
67	43.2	32.2	96.6
52	13.8	12.4	37.4

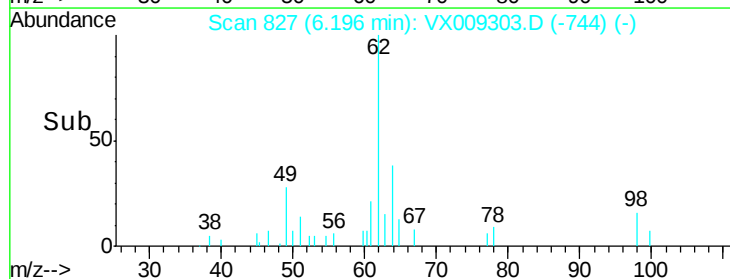
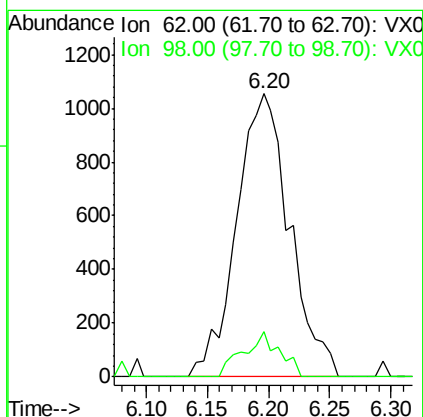
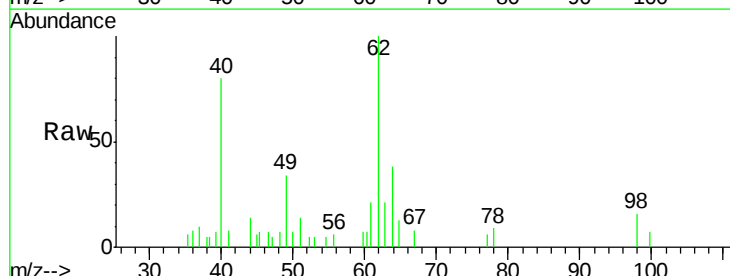
Manual Integrations
APPROVED

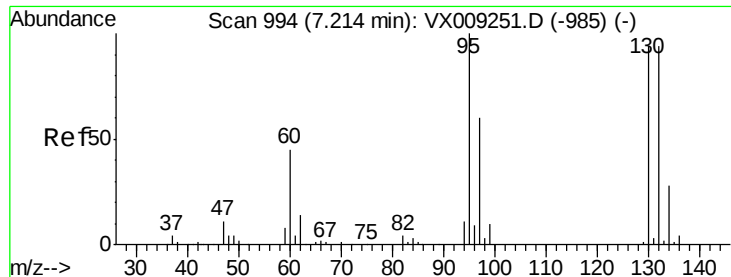
MMDadoda
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#36
1,2-Dichloroethane
Concen: 1.135 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion	62	Resp:	3178
Ion	Ratio	Lower	Upper
62	100		
98	10.9	7.4	11.2





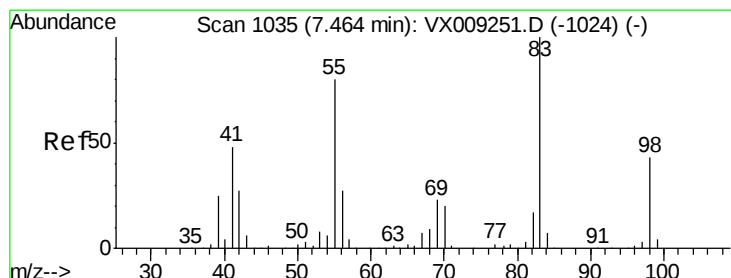
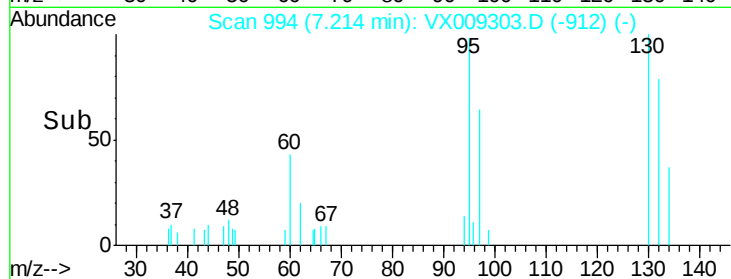
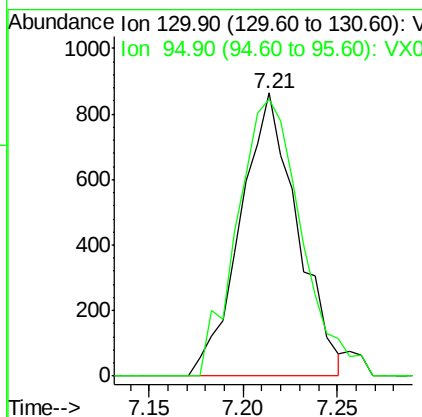
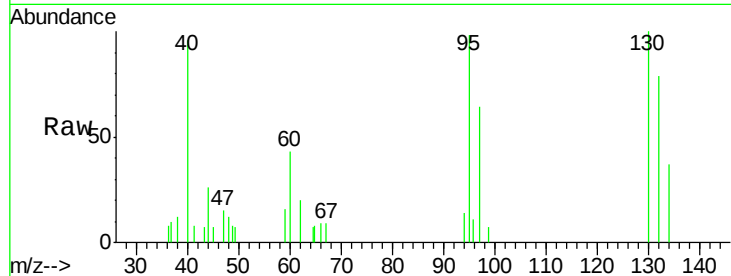
#37
 Trichloroethene
 Concen: 0.975 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion:130 Resp: 1812
 Ion Ratio Lower Upper
 130 100
 95 97.7 85.0 127.4

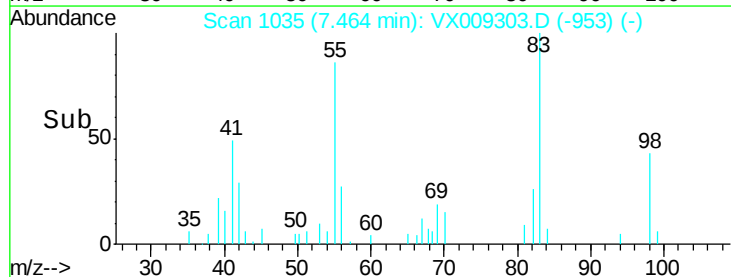
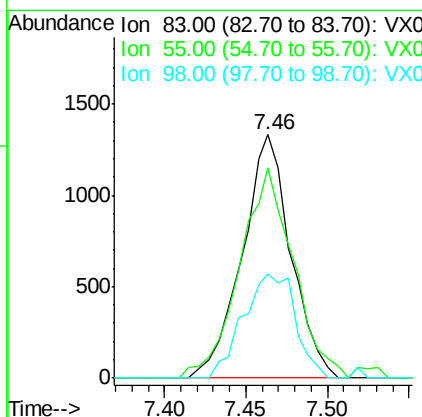
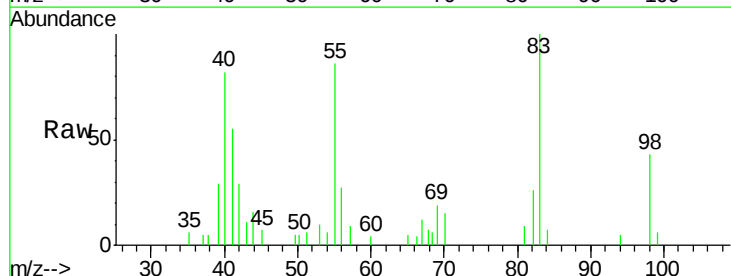
Manual Integrations
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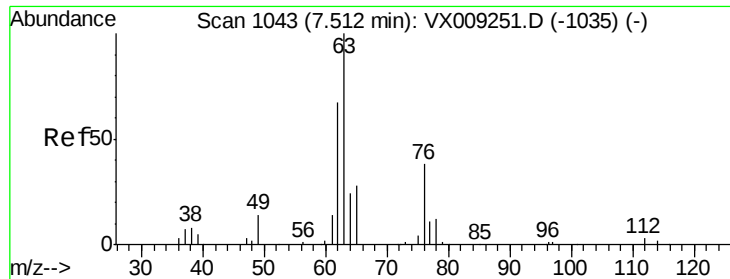
MMDadoda
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#38
 Methylcyclohexane
 Concen: 0.895 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Tgt Ion: 83 Resp: 2769
 Ion Ratio Lower Upper
 83 100
 55 95.2 43.0 129.2
 98 32.9 22.1 66.1





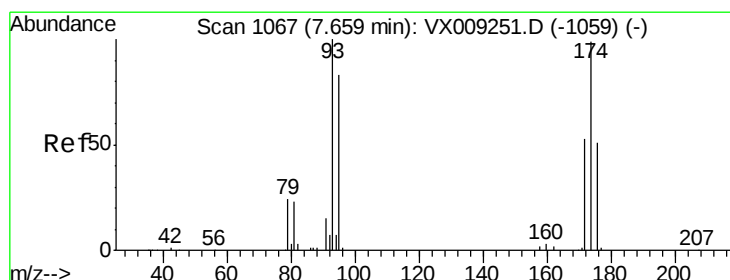
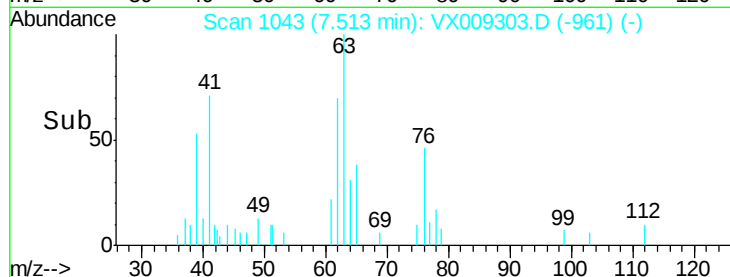
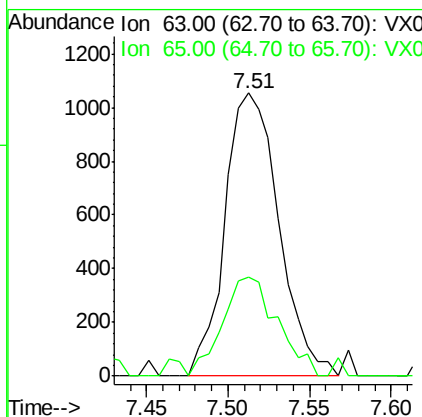
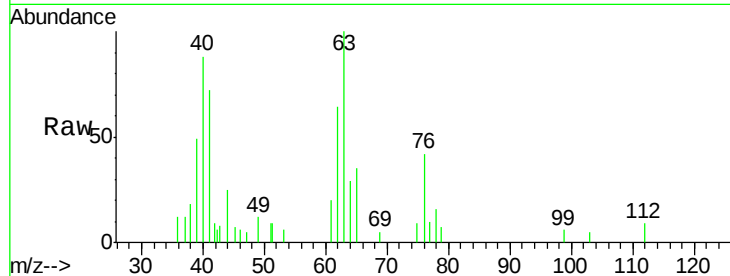
#39
 1,2-Dichloropropane
 Concen: 1.106 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion: 63 Resp: 2431
 Ion Ratio Lower Upper
 63 100
 65 34.8 24.0 36.0

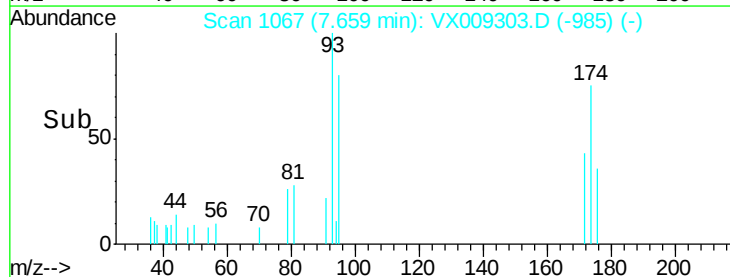
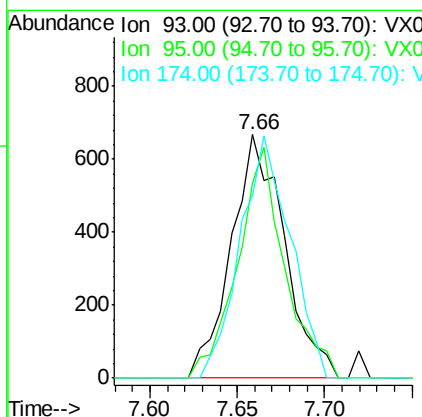
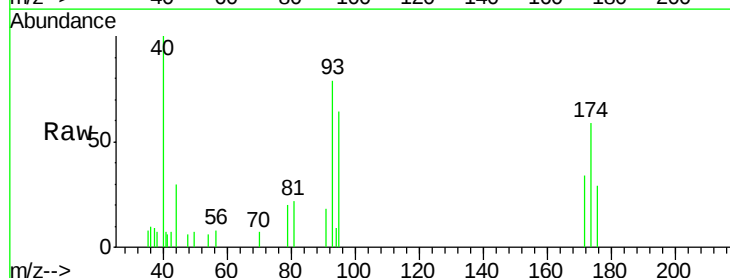
Manual Integrations
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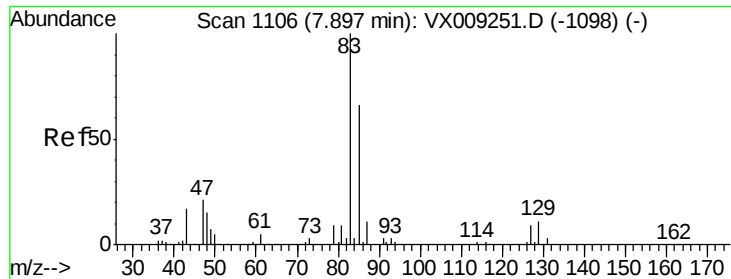
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#40
 Dibromomethane
 Concen: 1.132 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Tgt Ion: 93 Resp: 1412
 Ion Ratio Lower Upper
 93 100
 95 84.1 0.0 167.2
 174 93.8 0.0 203.4





#41

Bromodichloromethane

Concen: 0.968 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

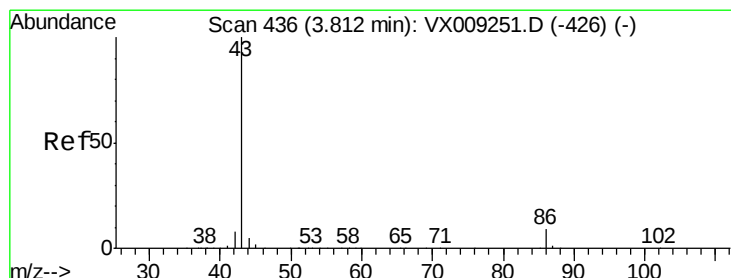
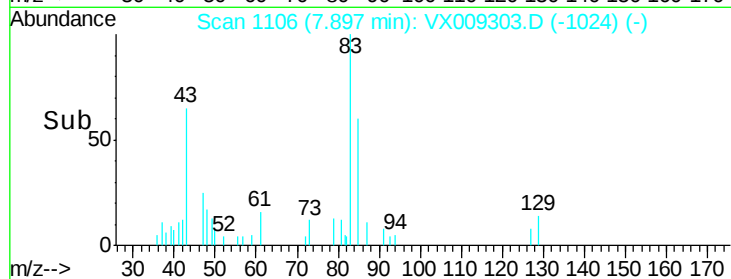
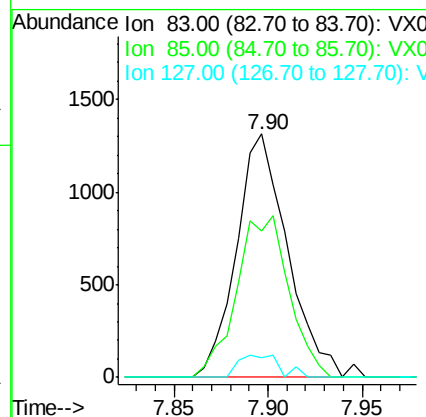
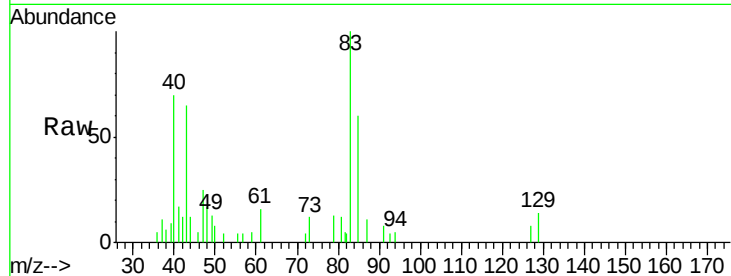
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	83	Resp:	2466
Ion	Ratio	Lower	Upper
83	100		
85	60.3	52.6	79.0
127	7.8	6.9	10.3

Manual Integrations
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5/6/2019 9:28:19 AM



#42

Vinyl Acetate

Concen: 4.488 ug/l

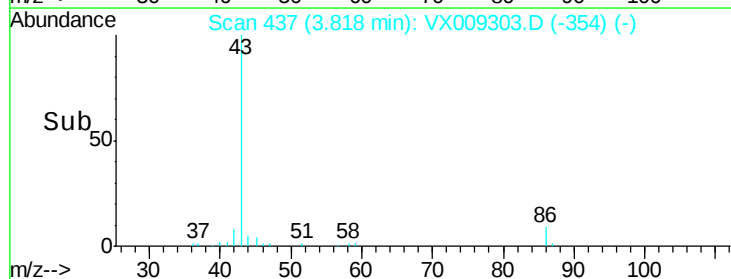
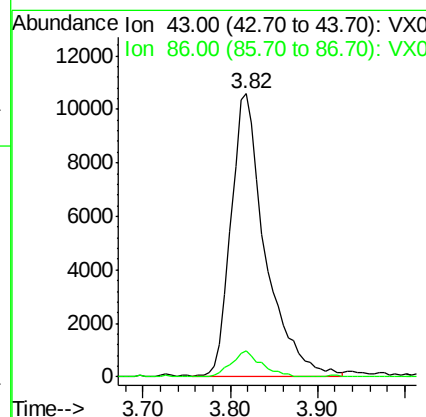
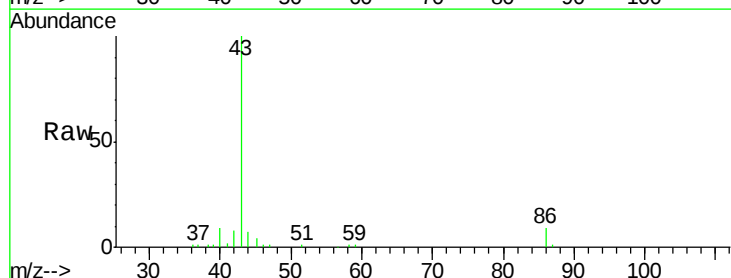
RT: 3.82 min Scan# 437

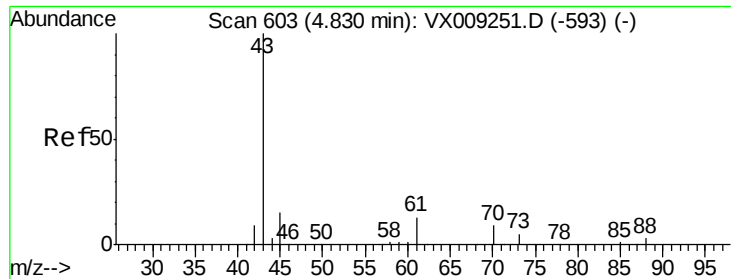
Delta R.T. 0.01 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Tgt Ion:	43	Resp:	29043
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.0	9.0





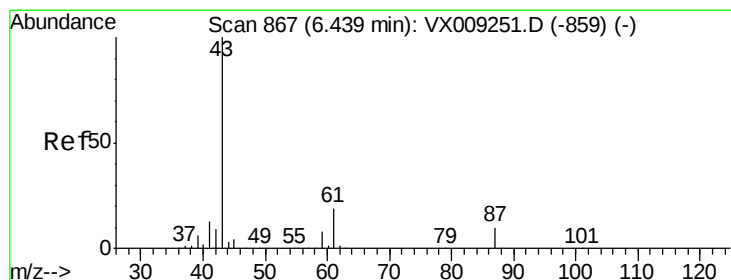
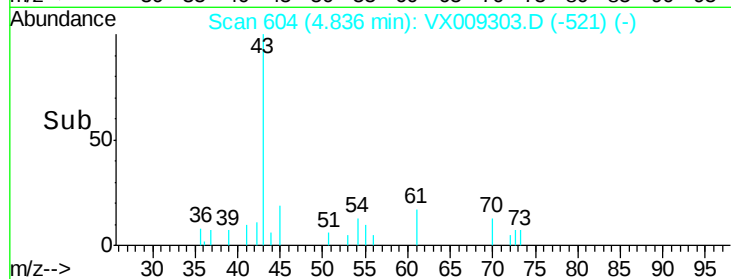
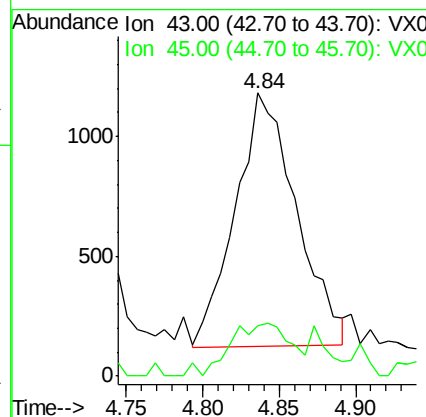
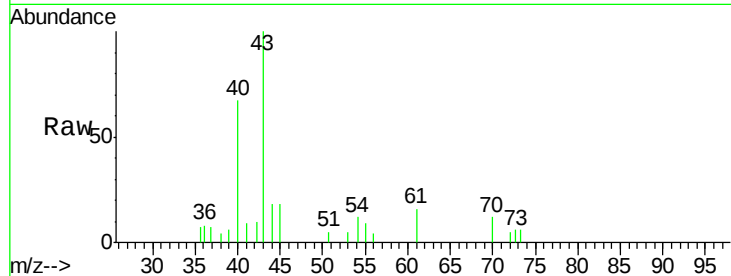
#43
Ethyl Acetate
Concen: 0.826 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
43	100		
45	12.6	11.8	17.8

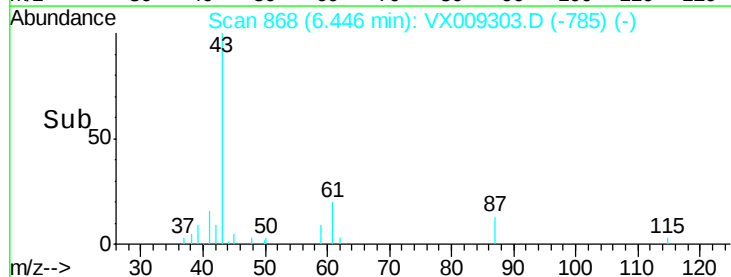
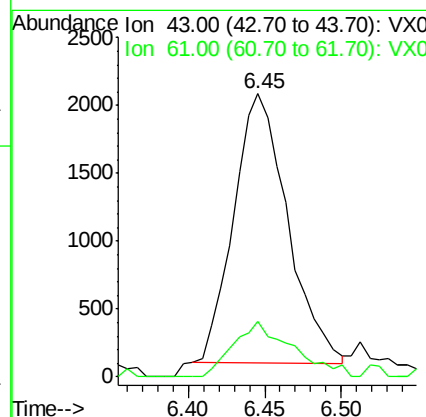
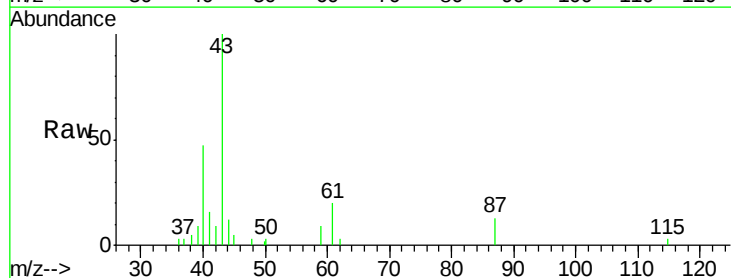
Manual Integrations
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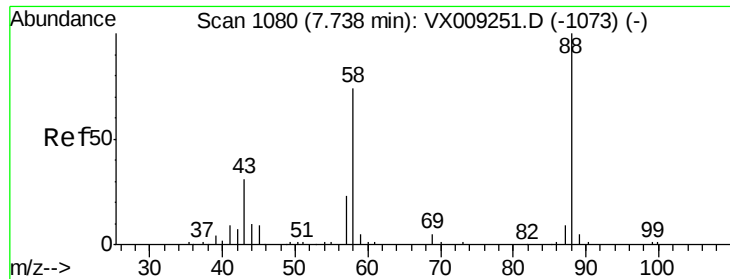
MMDadoda
5/6/2019 9:28:19 AM



#44
Isopropyl Acetate
Concen: 0.841 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.01 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.5	15.4	23.2





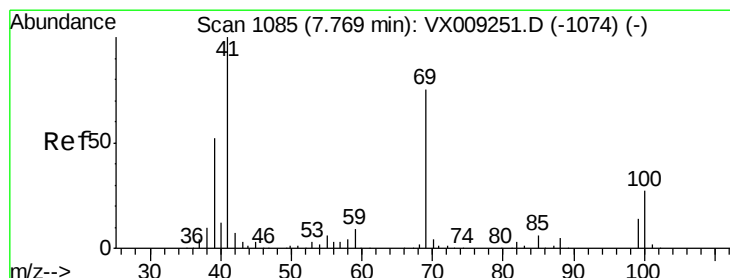
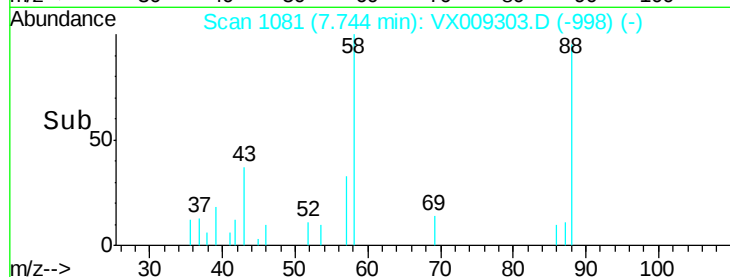
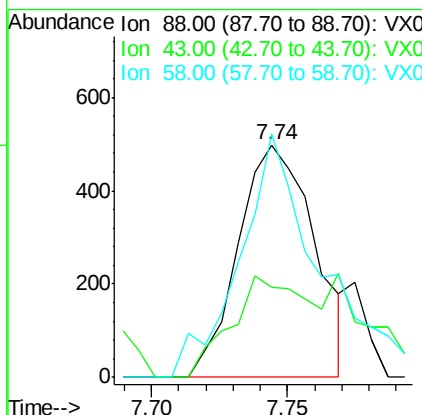
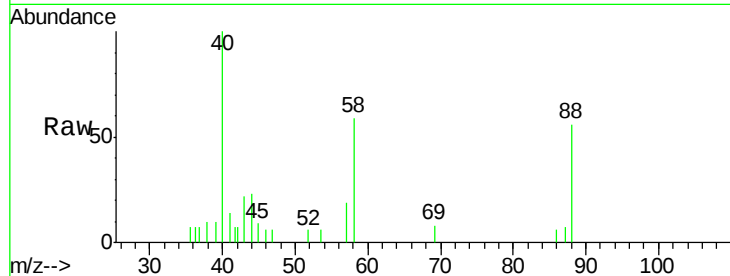
#45
1,4-Dioxane
Concen: 17.141 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.1	28.5	42.7#
58	110.1	62.5	93.7#

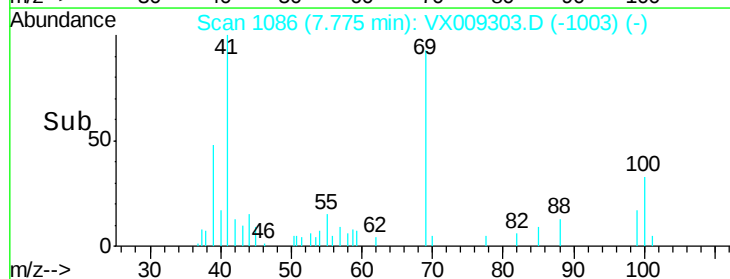
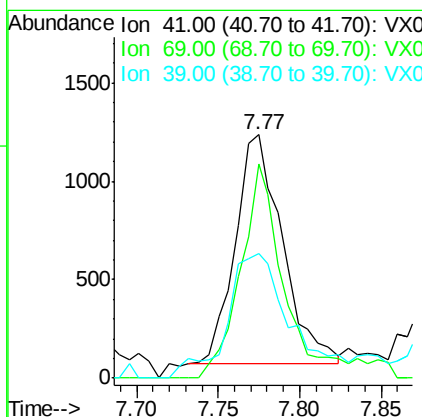
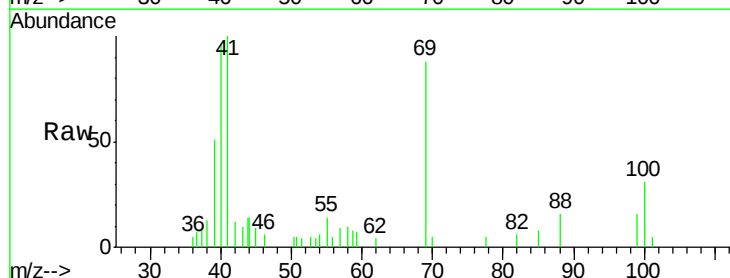
Manual Integrations
APPROVED

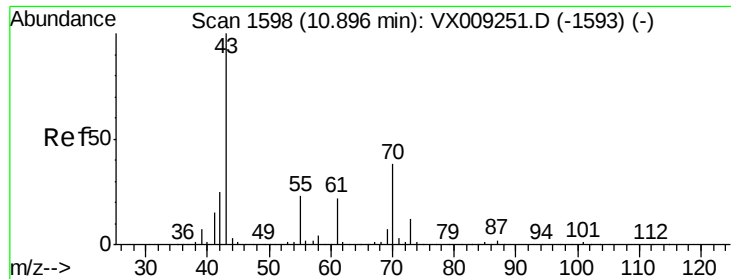
MMDadoda
5/6/2019 9:28:19 AM



#46
Methyl methacrylate
Concen: 0.811 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.0	37.6	112.8
39	45.8	25.8	77.3





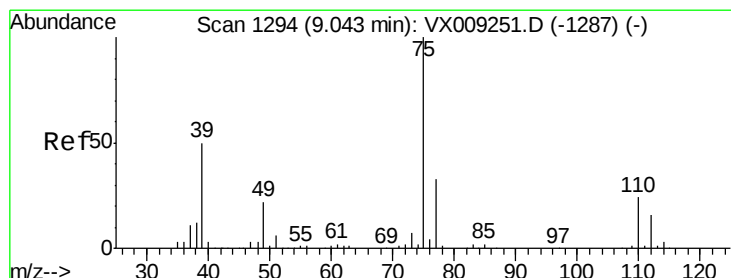
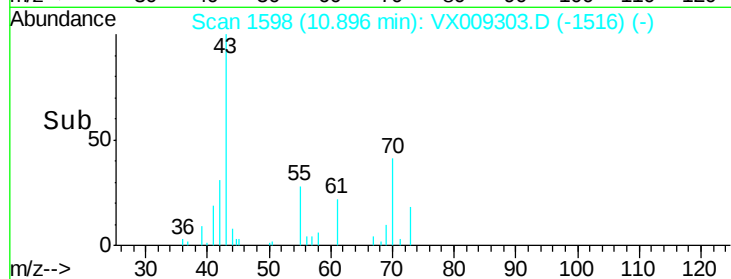
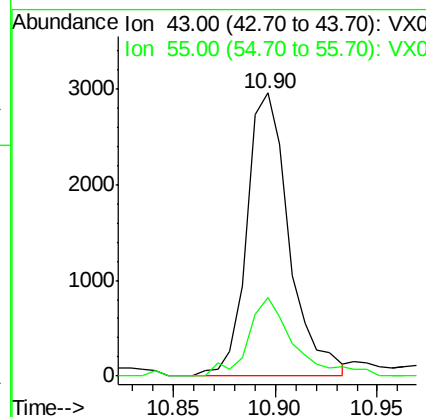
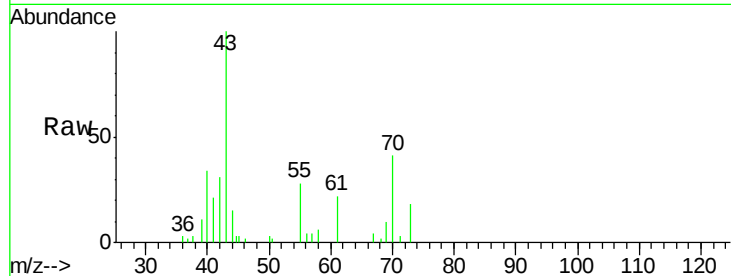
#47
n-amvl Acetate
Concen: 0.826 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 4271
Ion Ratio Lower Upper
43 100
55 22.9 18.2 27.4

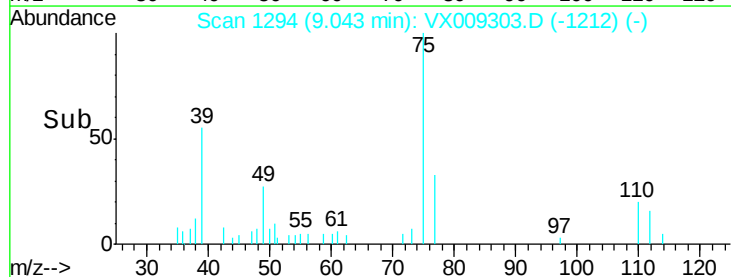
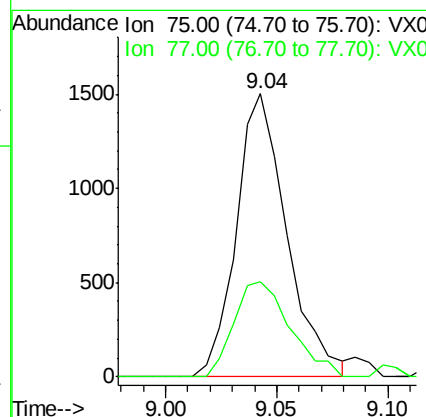
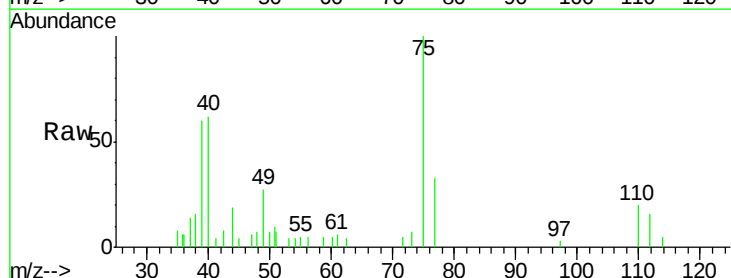
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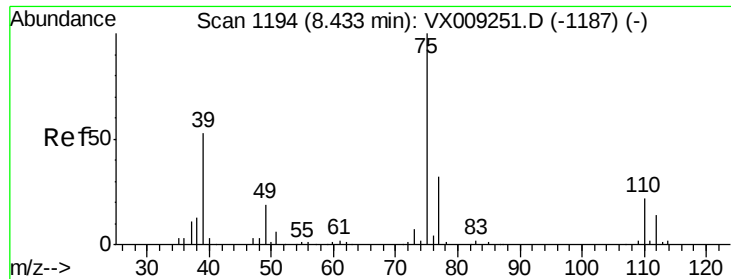
MMDadoda
5/6/2019 9:28:19 AM



#48
t-1,3-Dichloropropene
Concen: 0.799 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion: 75 Resp: 2377
Ion Ratio Lower Upper
75 100
77 33.4 26.5 39.7





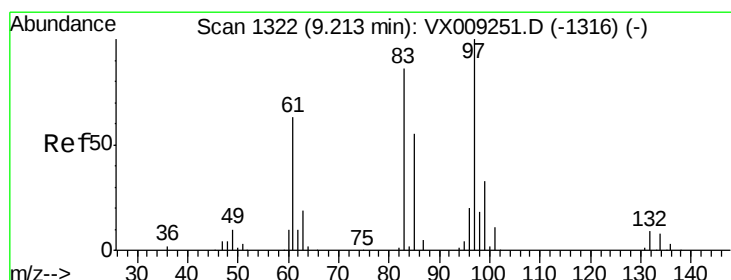
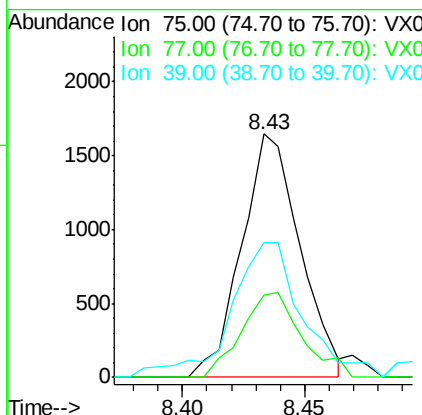
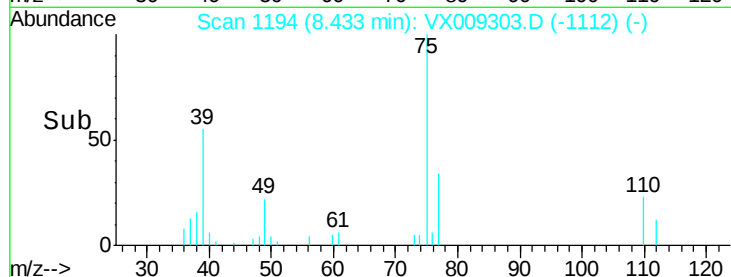
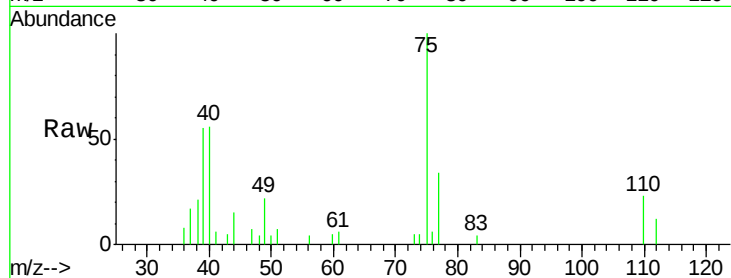
#49
 cis-1,3-Dichloropropene
 Concen: 0.842 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion:	75	Resp:	2749
Ion	Ratio	Lower	Upper
75	100		
77	33.8	26.0	39.0
39	49.6	42.6	63.8

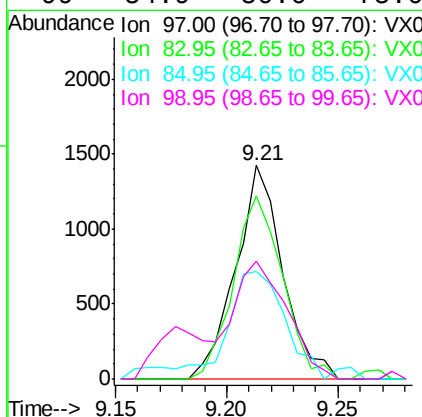
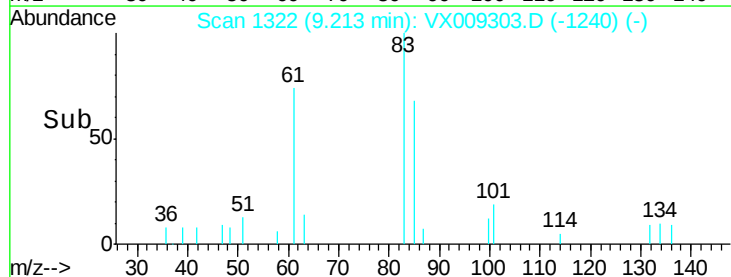
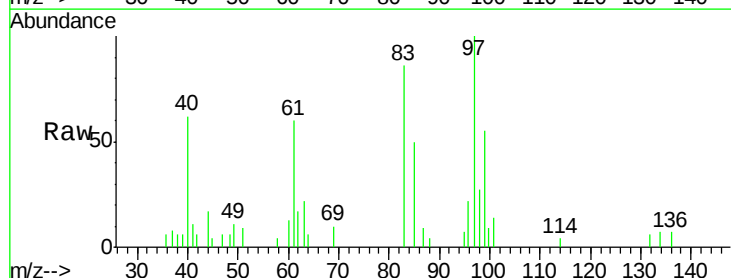
Manual Integrations
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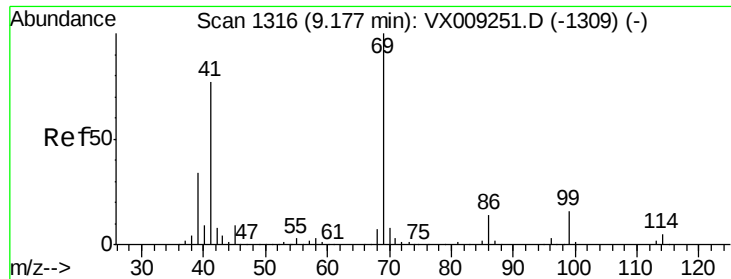
MMDadoda
 5/6/2019 9:28:19 AM



#50
 1,1,2-Trichloroethane
 Concen: 1.099 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Tgt Ion:	97	Resp:	2101
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.8	103.2
85	45.9	45.8	68.6
99	54.9	50.0	75.0





#51

Ethyl methacrylate

Concen: 0.832 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

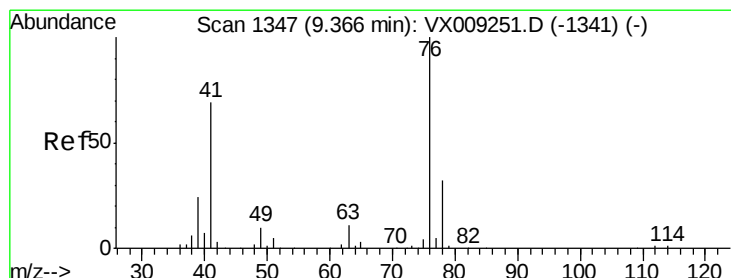
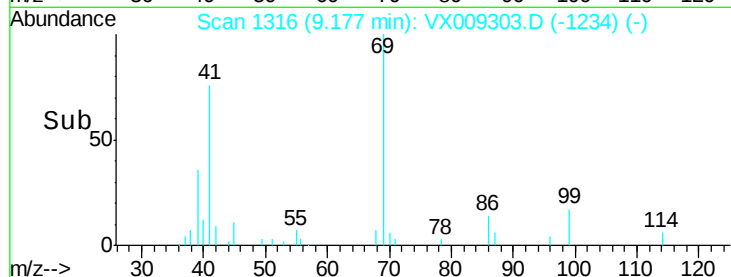
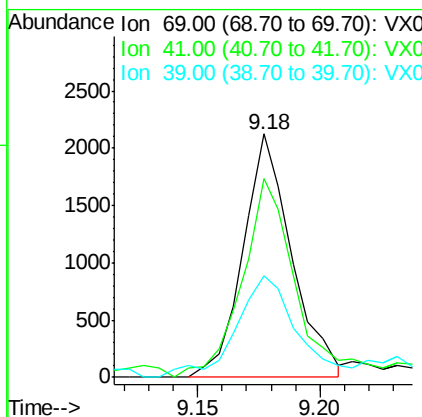
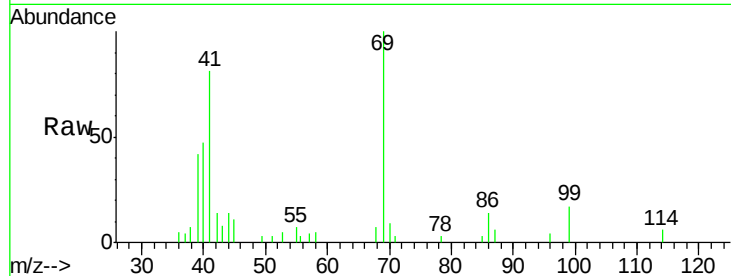
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	69	Resp:	2938
Ion	Ratio	Lower	Upper
69	100		
41	77.4	38.4	115.2
39	37.2	17.2	51.5

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#52

1,3-Dichloropropane

Concen: 0.985 ug/l

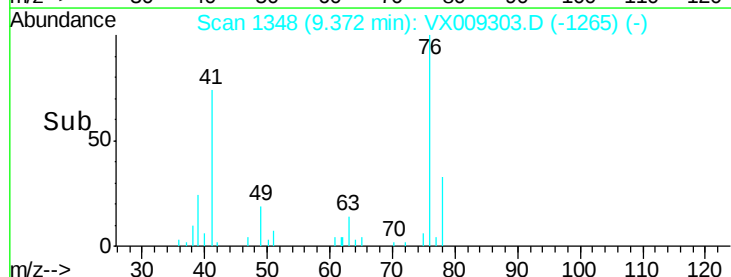
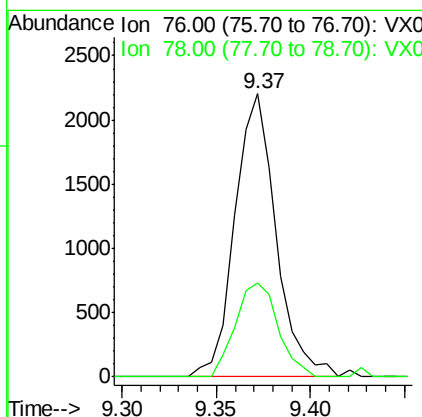
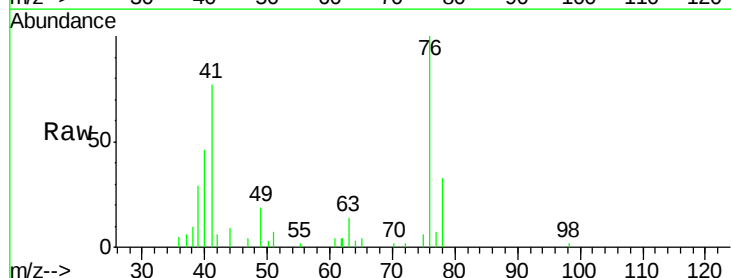
RT: 9.37 min Scan# 1348

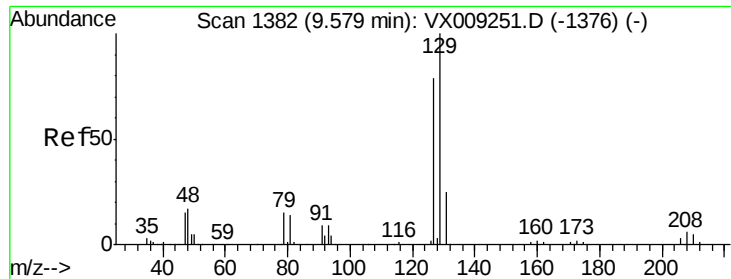
Delta R.T. 0.01 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Tgt Ion:	76	Resp:	3340
Ion	Ratio	Lower	Upper
76	100		
78	34.3	0.0	64.2





#53

Dibromochloromethane

Concen: 0.863 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:129 Resp: 1642

Ion Ratio Lower Upper

129 100

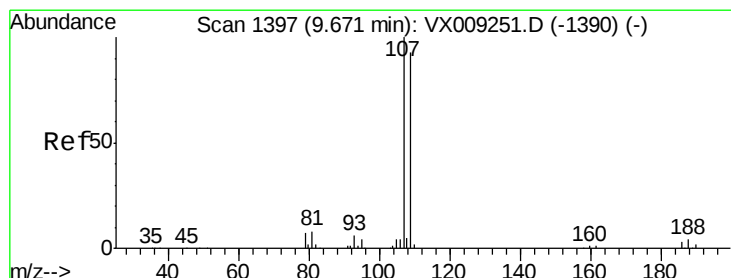
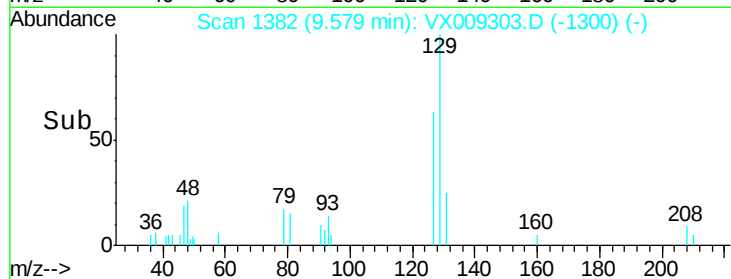
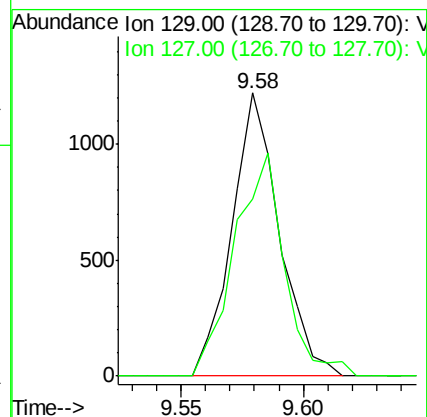
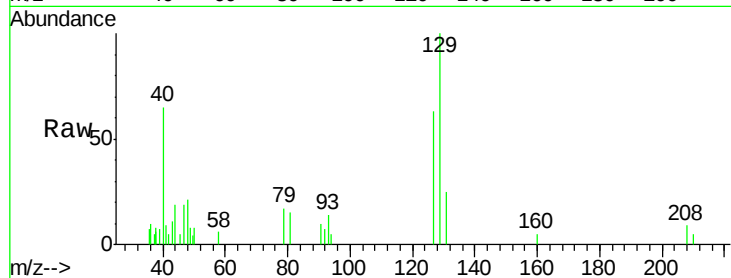
127 82.0 39.1 117.5

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 0.987 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009303.D

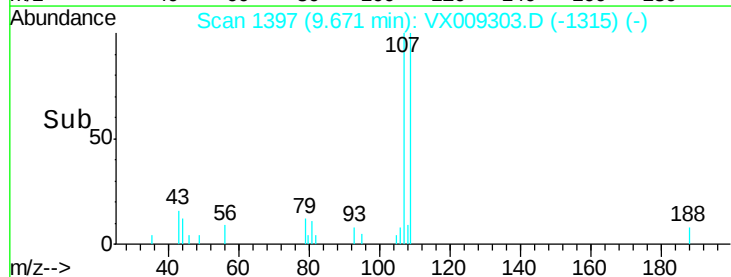
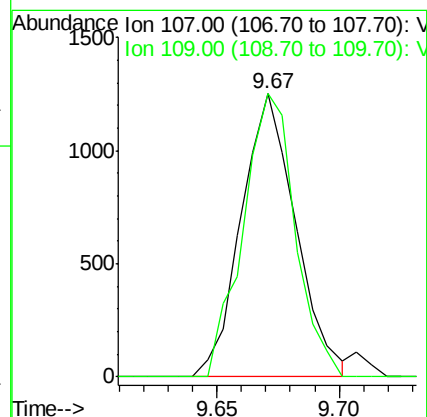
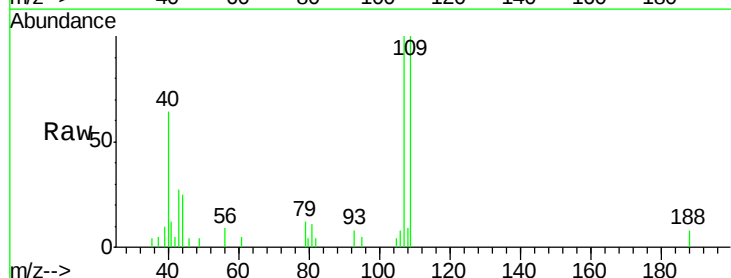
Acq: 03 May 2019 11:23

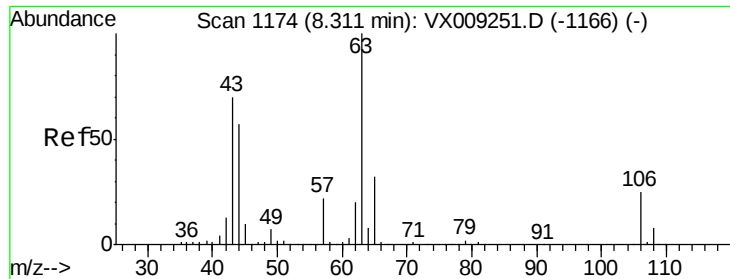
Tgt Ion:107 Resp: 1935

Ion Ratio Lower Upper

107 100

109 95.6 75.5 113.3





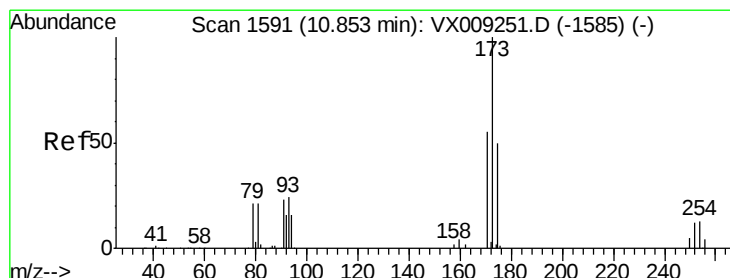
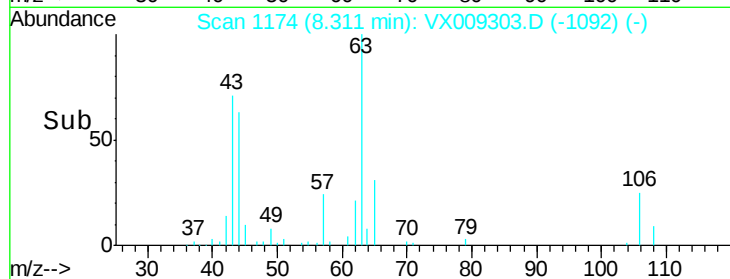
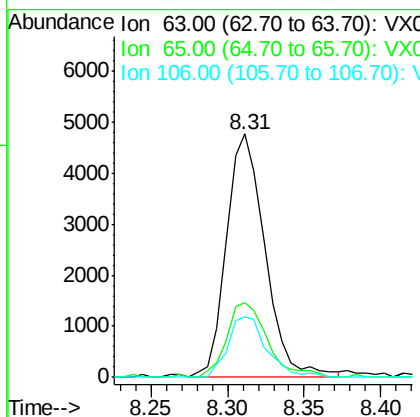
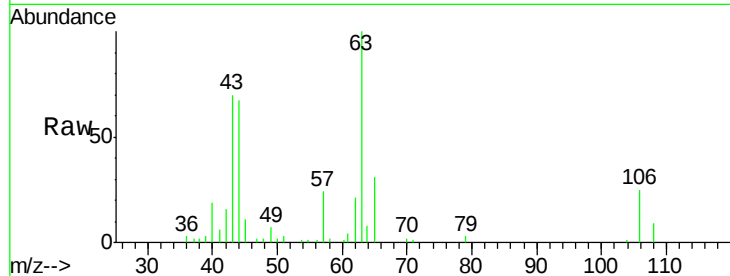
#55
2-Chloroethyl vinyl ether
Concen: 4.453 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.8	38.6
106	24.4	19.8	29.6

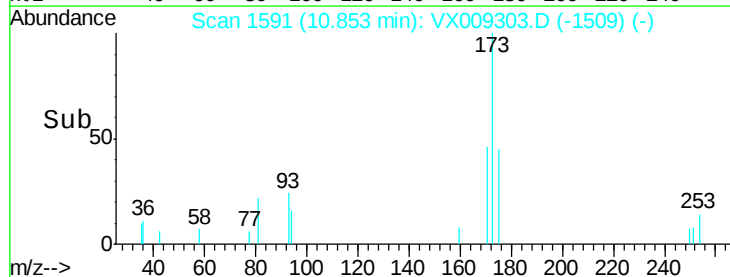
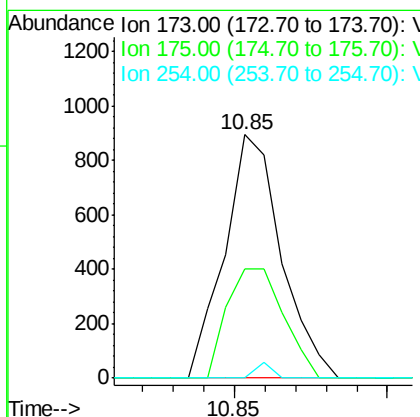
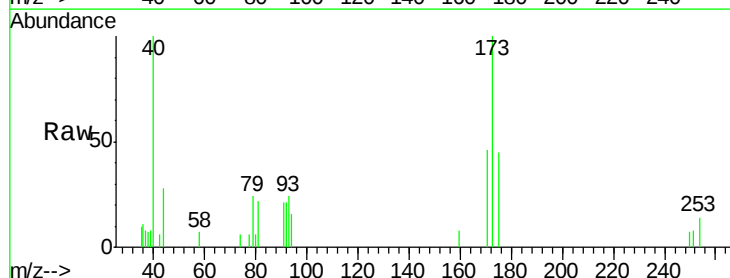
Manual Integrations
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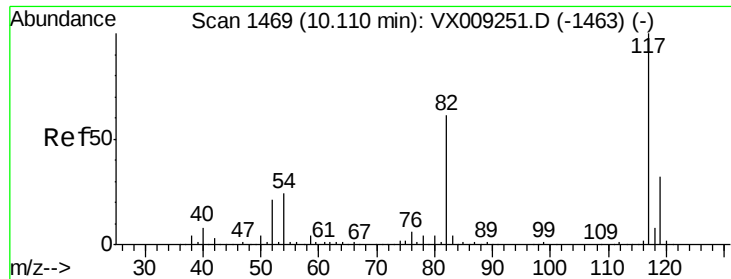
MMDadoda
5/6/2019 9:28:19 AM



#56
Bromoform
Concen: 0.787 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Lower	Upper
173	100		
175	44.7	39.4	59.2
254	0.0	9.9	14.9





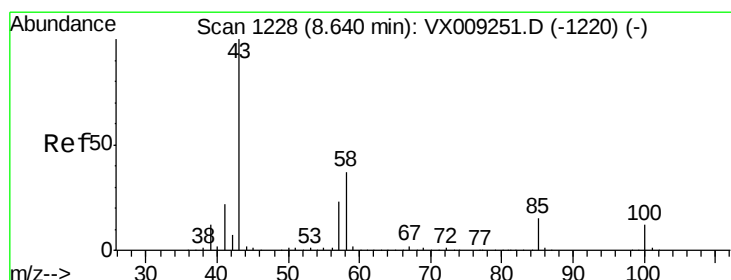
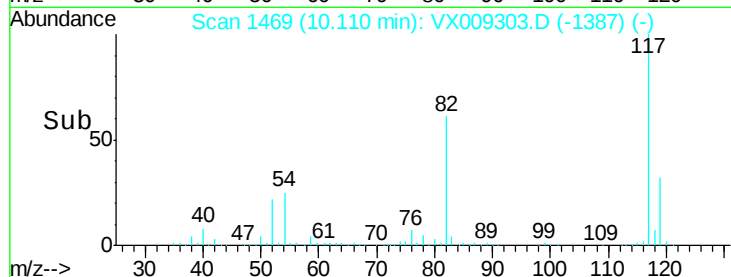
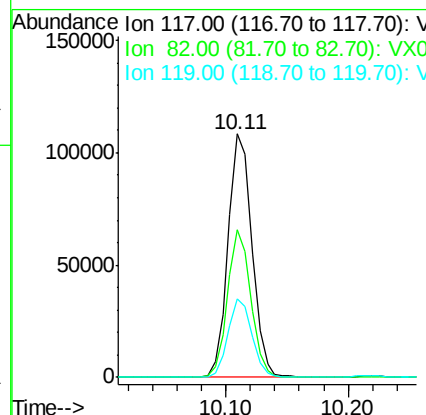
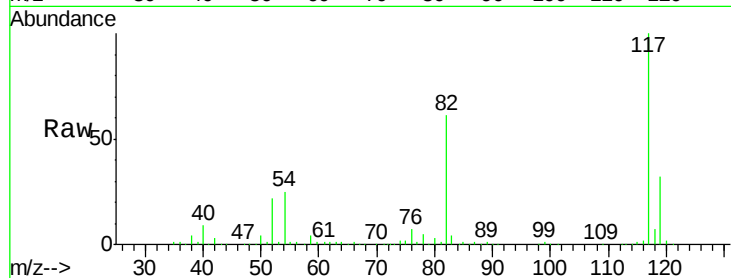
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
117	100	147390		
82	58.9	47.8	71.8	
119	32.3	25.6	38.4	

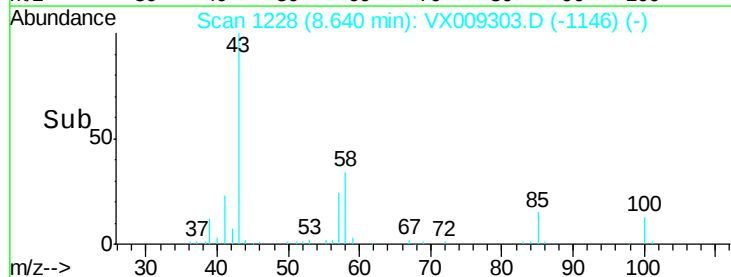
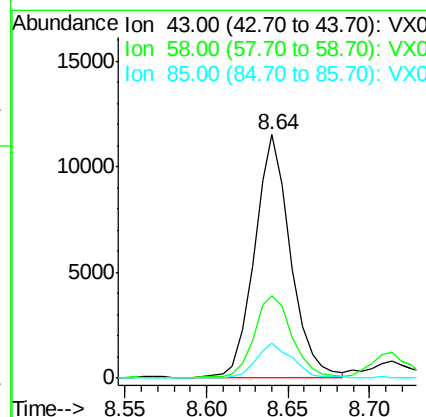
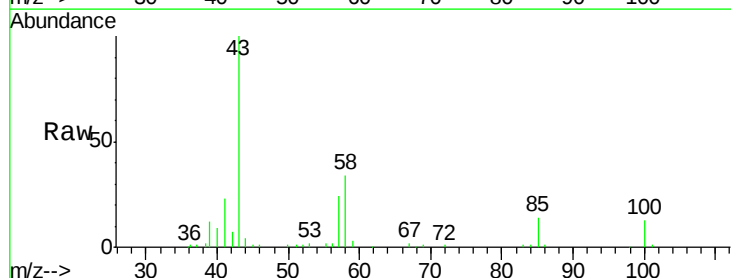
Manual Integrations
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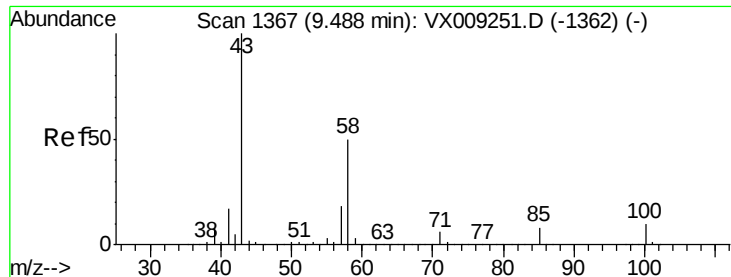
MMDadoda
5/6/2019 9:28:19 AM



#58
4-Methyl-2-Pentanone
Concen: 4.869 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	17646		
58	35.0	29.4	44.0	
85	14.8	11.8	17.8	





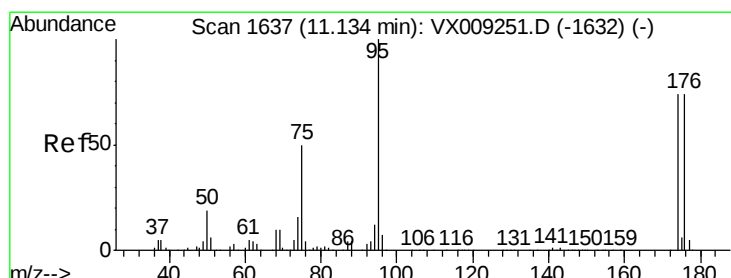
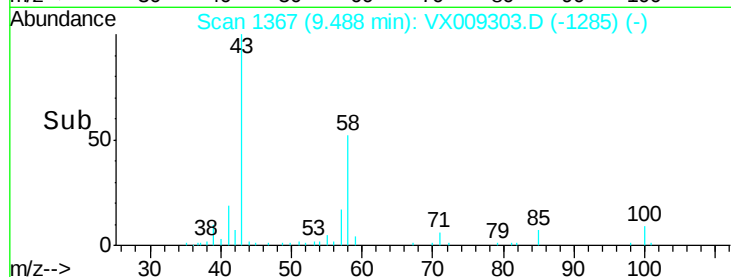
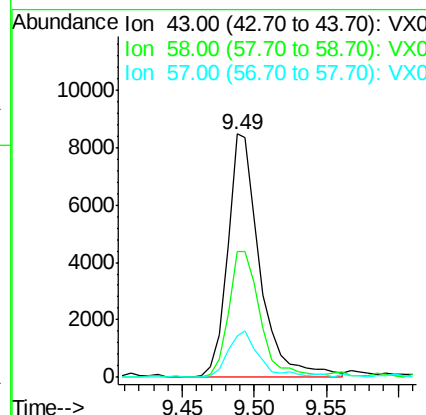
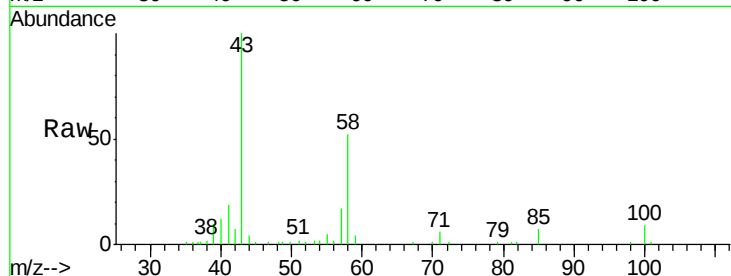
#59
2-Hexanone
Concen: 4.669 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.6	40.8	61.2
57	17.3	14.1	21.1

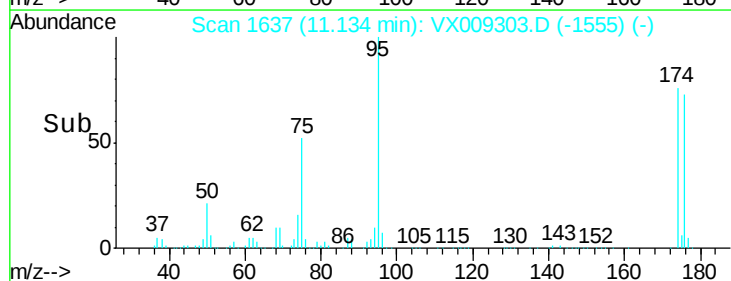
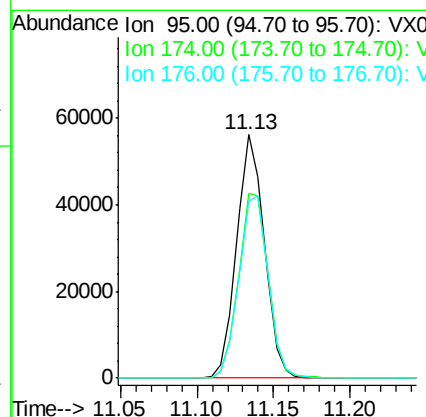
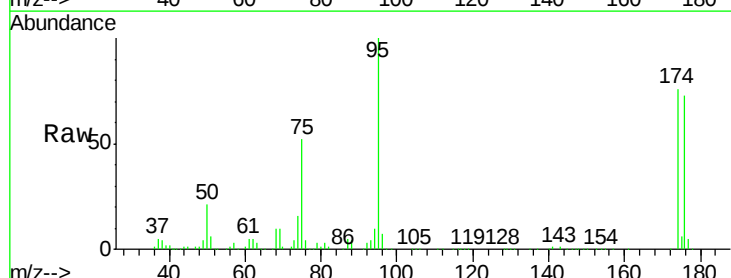
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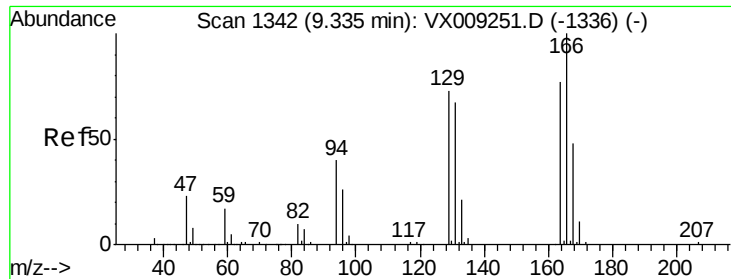
MMDadoda
5/6/2019 9:28:19 AM



#60
4-Bromofluorobenzene
Concen: 28.180 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.7	63.6	95.4
176	79.0	62.4	93.6





#61

Tetrachloroethene

Concen: 1.089 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:164 Resp: 1769

Ion Ratio Lower Upper

164 100

166 125.9 104.1 156.1

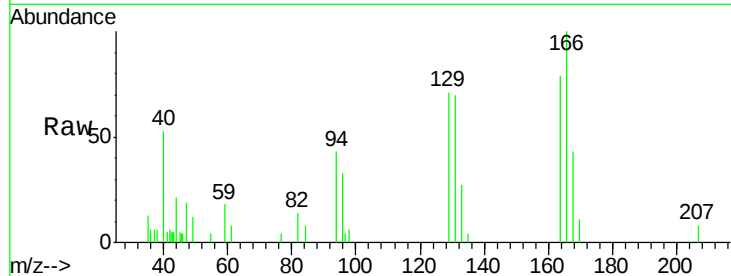
129 89.0 76.0 114.0

131 88.0 70.1 105.1

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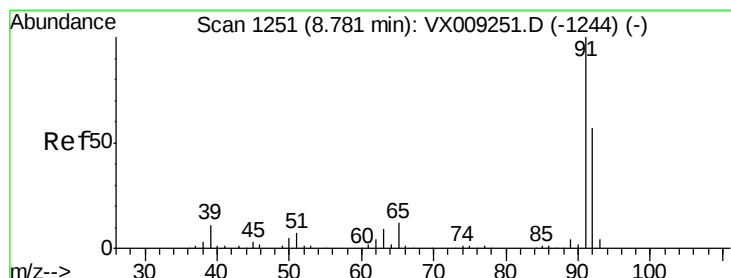
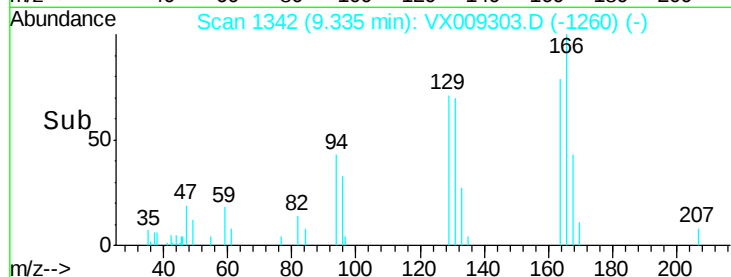
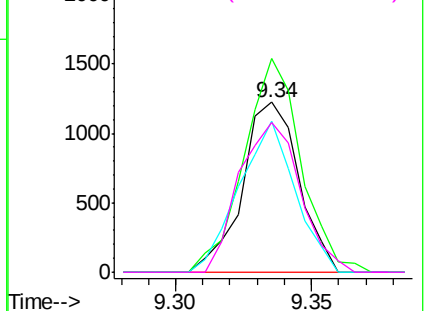


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 1.037 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX009303.D

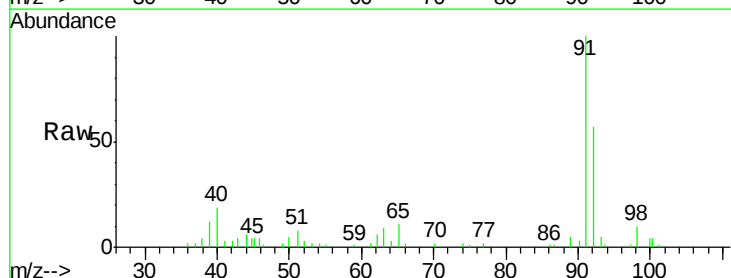
Acq: 03 May 2019 11:23

Tgt Ion: 91 Resp: 8164

Ion Ratio Lower Upper

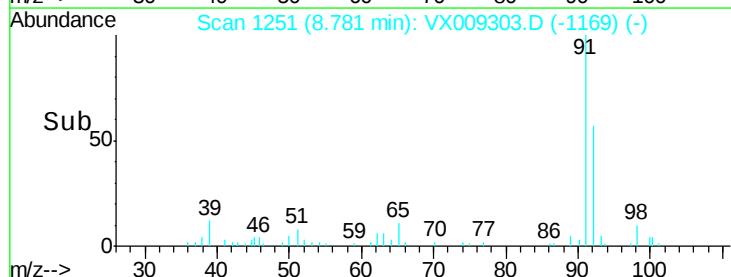
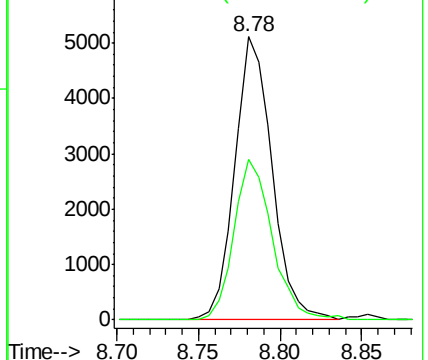
91 100

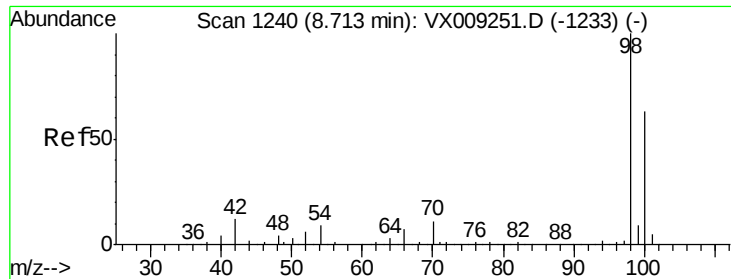
92 58.0 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





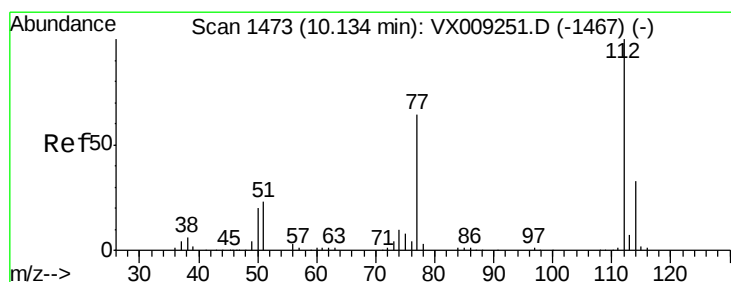
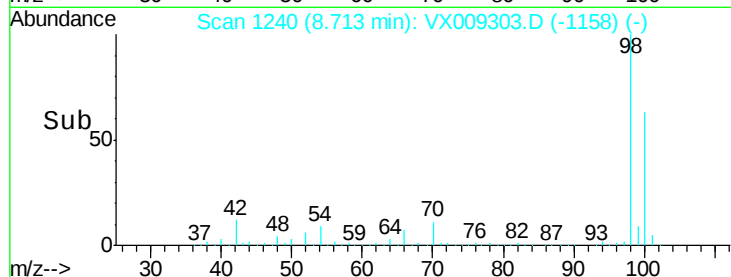
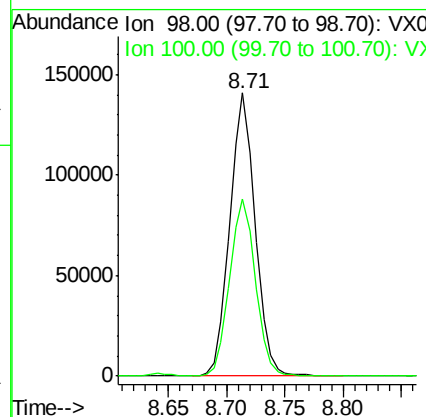
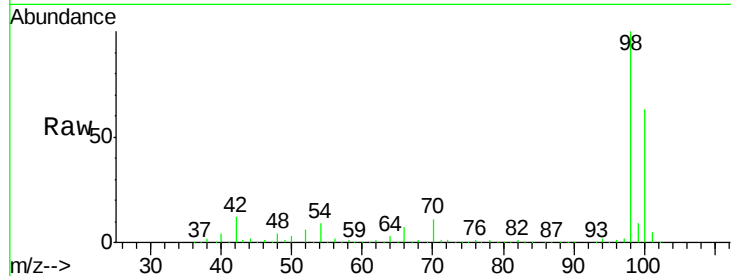
#63
Toluene-d8
Concen: 30.633 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 98 Resp: 214059
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5

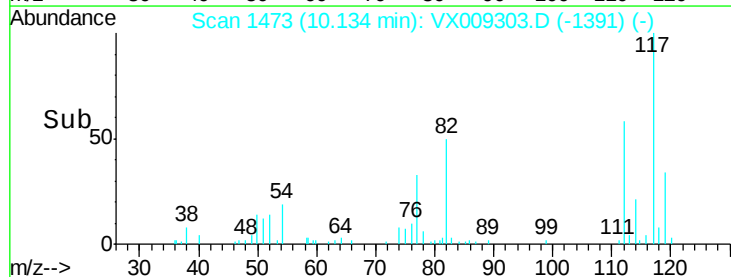
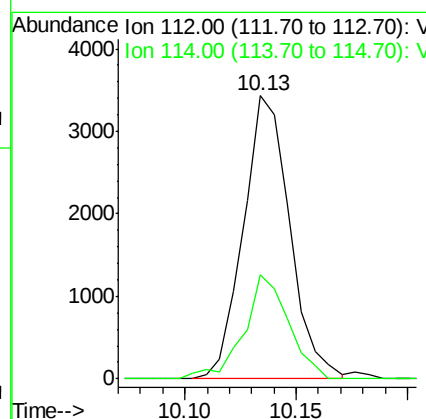
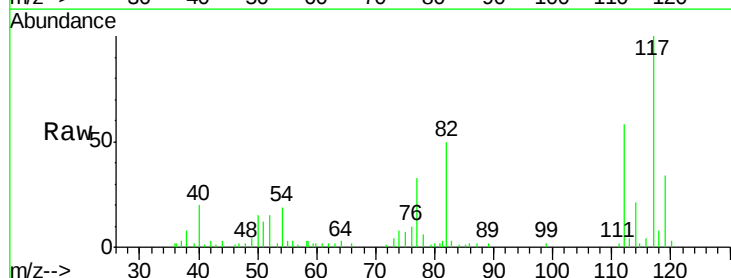
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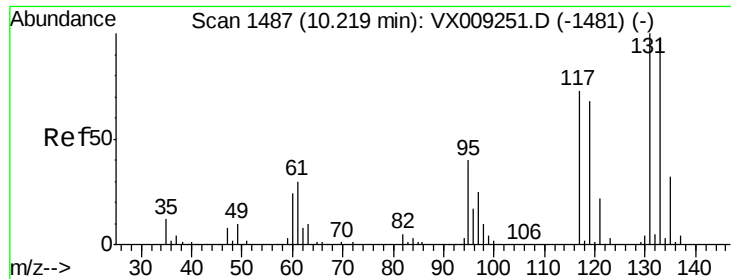
MMDadoda
5/6/2019 9:28:19 AM



#64
Chlorobenzene
Concen: 1.055 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion: 112 Resp: 5000
Ion Ratio Lower Upper
112 100
114 36.7 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 0.865 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

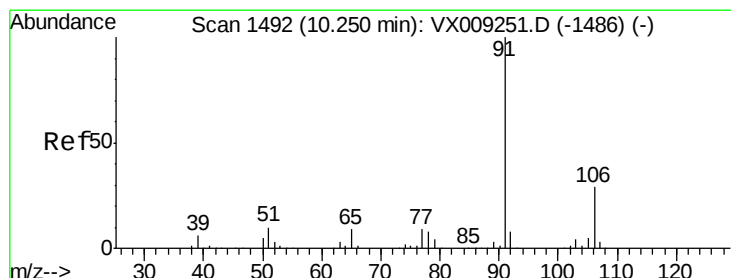
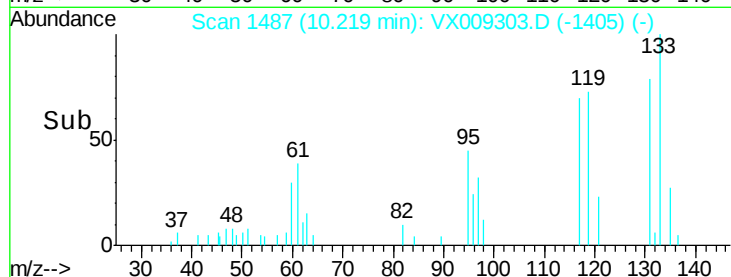
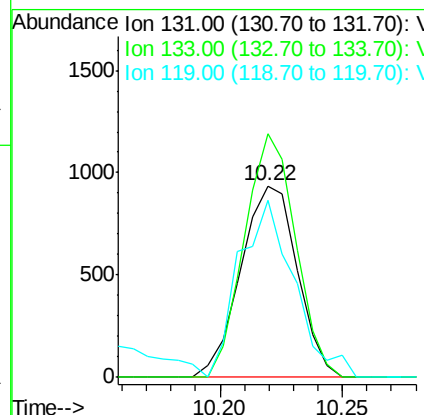
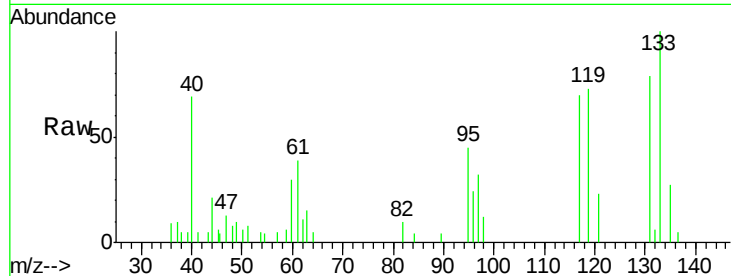
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
131	100	1501		
133	115.1	0.0	191.2	
119	87.4	0.0	135.4	

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#66

Ethyl Benzene

Concen: 0.959 ug/l

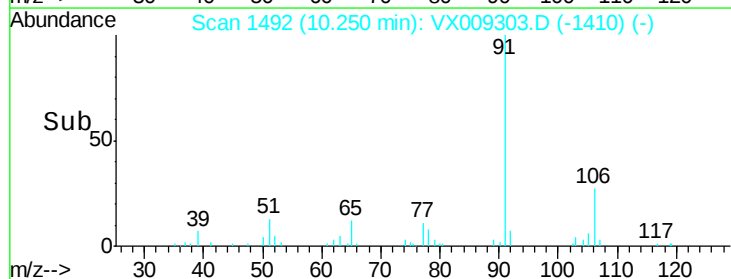
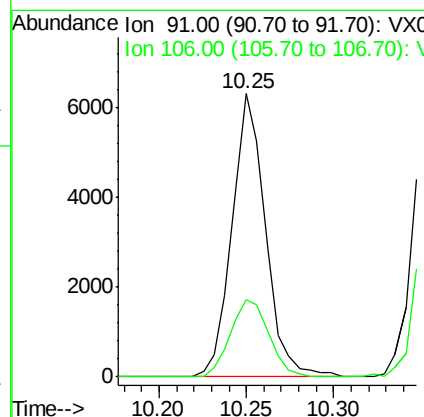
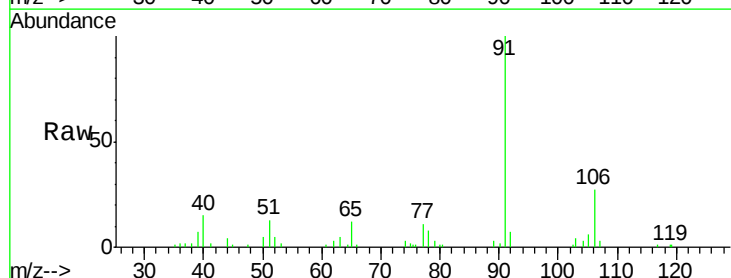
RT: 10.25 min Scan# 1492

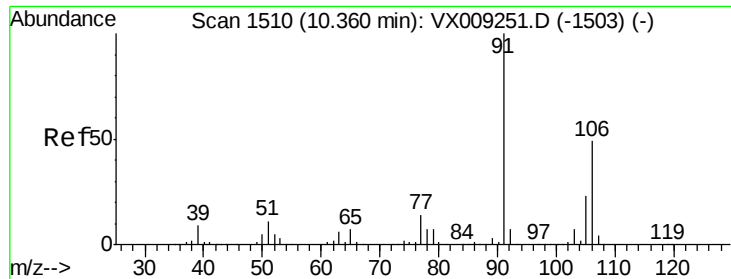
Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	8412		
106	27.5	23.5	35.3	





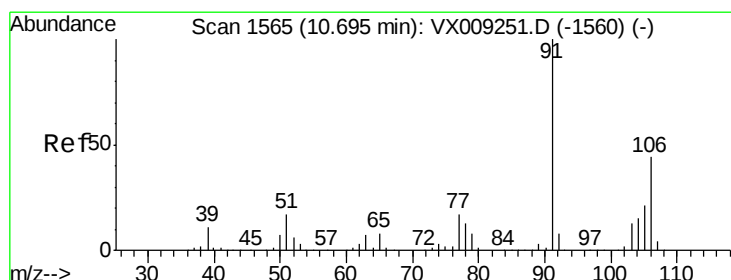
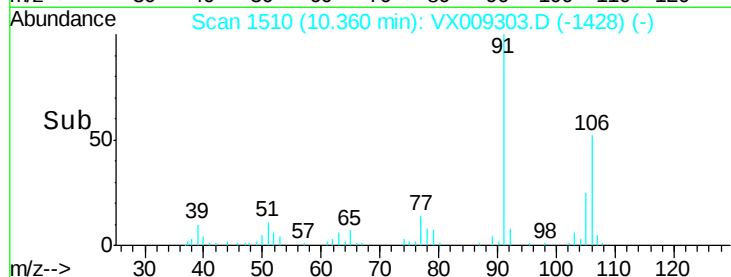
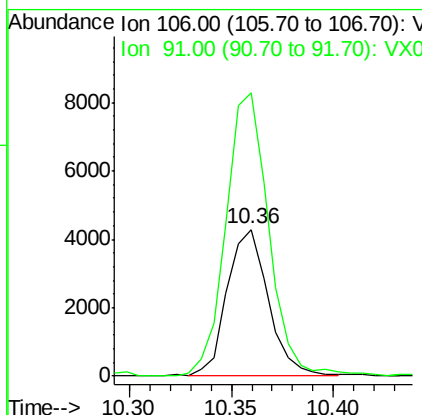
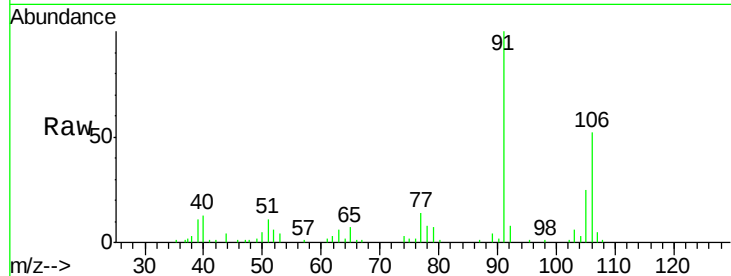
#67
m/p-Xvlenes
Concen: 1.886 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:106 Resp: 6041
Ion Ratio Lower Upper
106 100
91 199.6 166.8 250.2

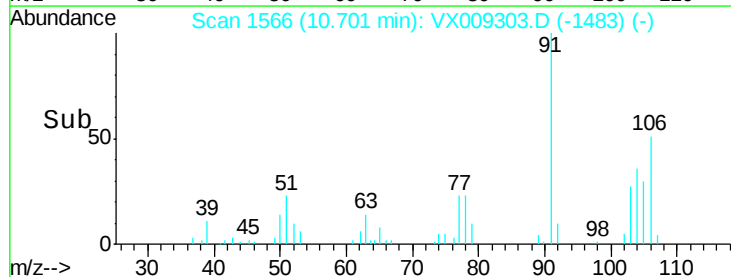
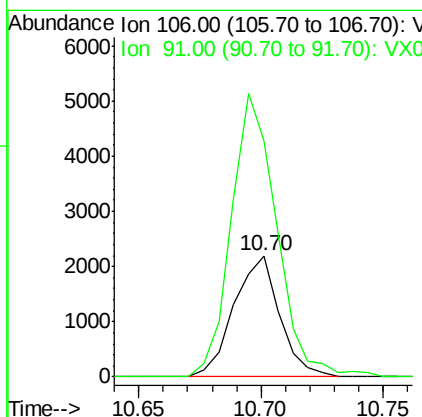
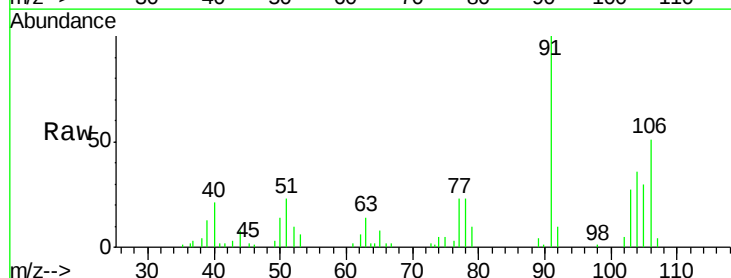
Manual Integrations
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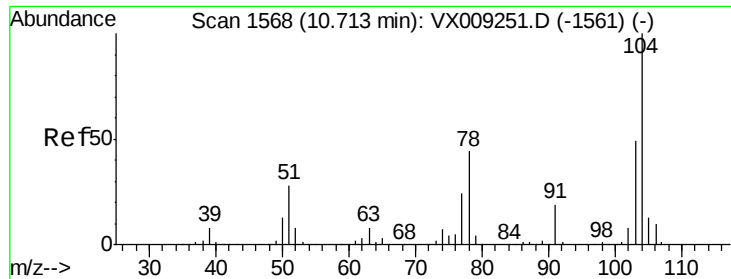
MMDadoda
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#68
o-Xylene
Concen: 0.911 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion:106 Resp: 2871
Ion Ratio Lower Upper
106 100
91 228.7 110.8 332.3





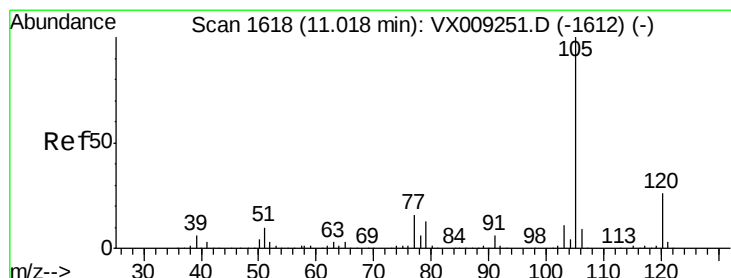
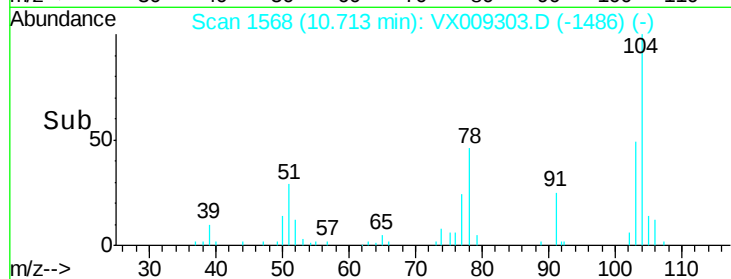
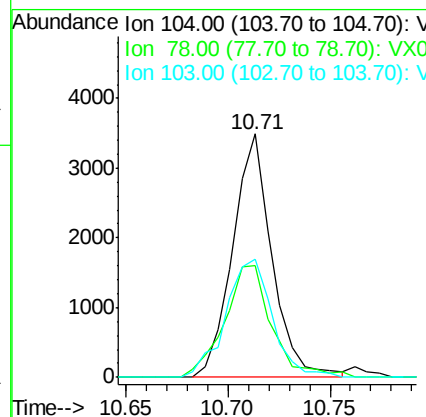
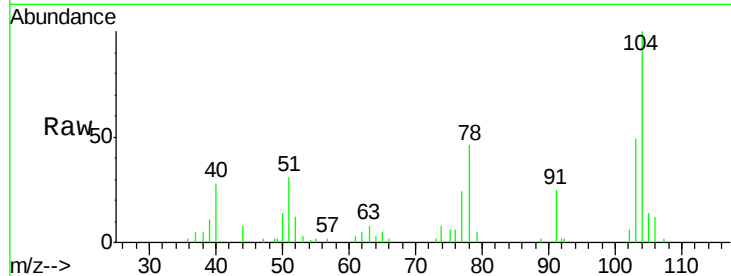
#69
Stvrene
Concen: 0.844 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
104	100	4665		
78	53.3		41.1	61.7
103	57.0		43.8	65.8

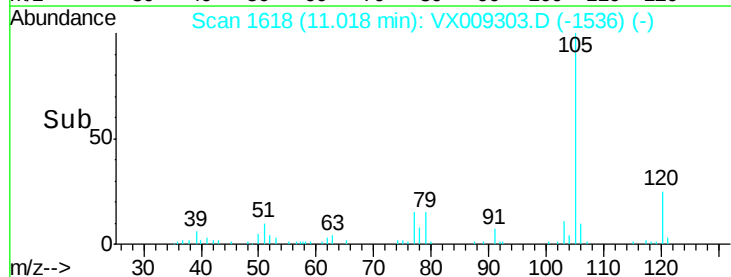
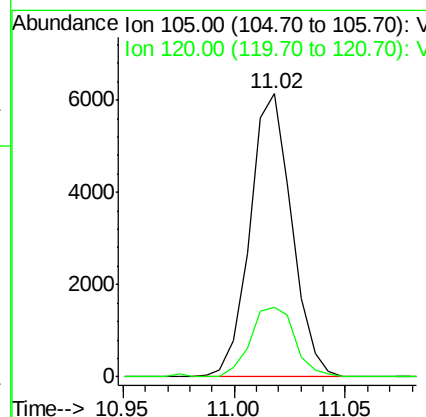
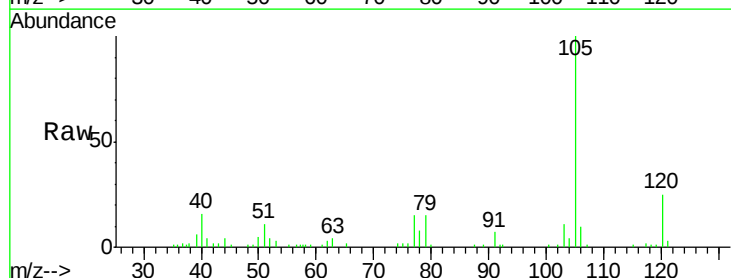
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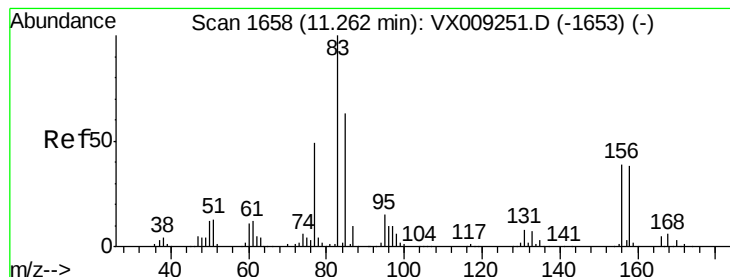
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#70
Isopropylbenzene
Concen: 0.948 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	8028		
120	26.2		18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 1.004 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

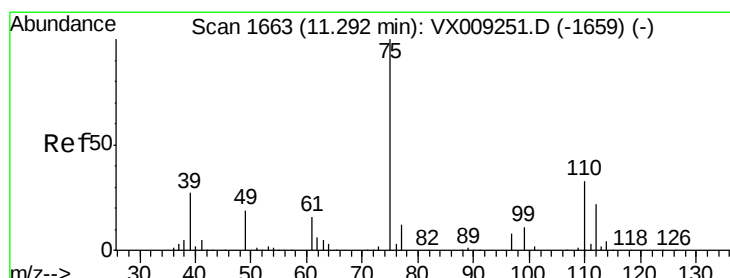
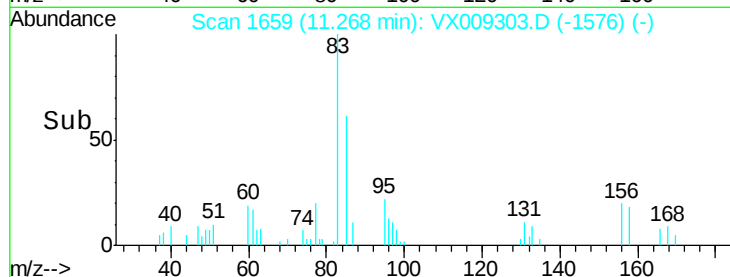
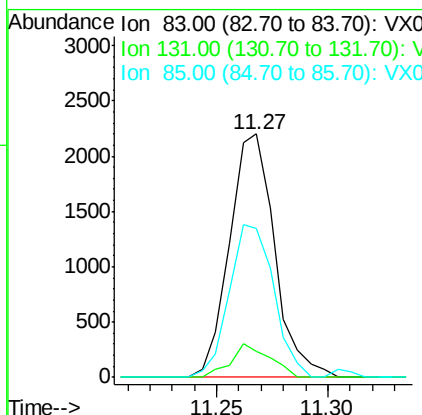
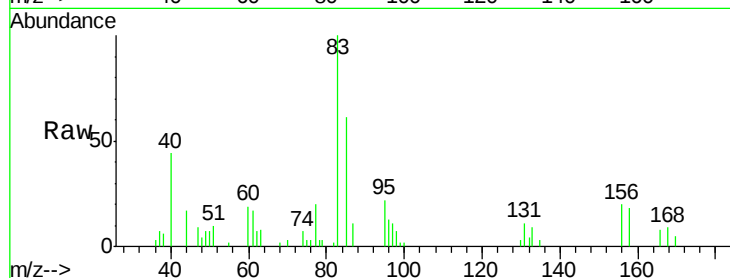
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	83	Resp:	3116
Ion	Ratio	Lower	Upper
83	100		
131	11.9	4.7	14.0
85	61.9	32.4	97.2

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#72

1,2,3-Trichloropropane

Concen: 1.158 ug/l m

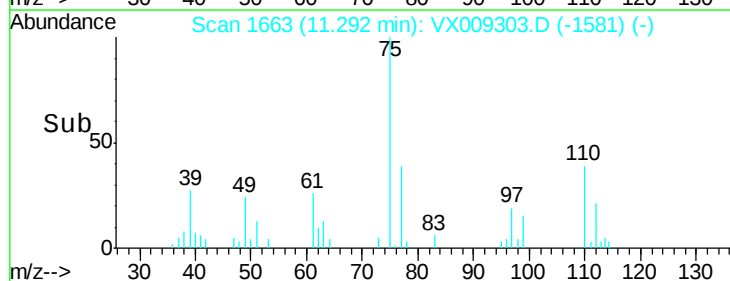
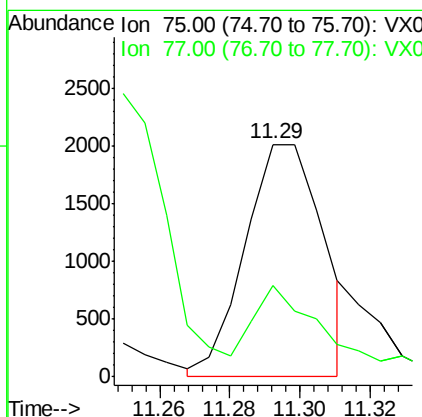
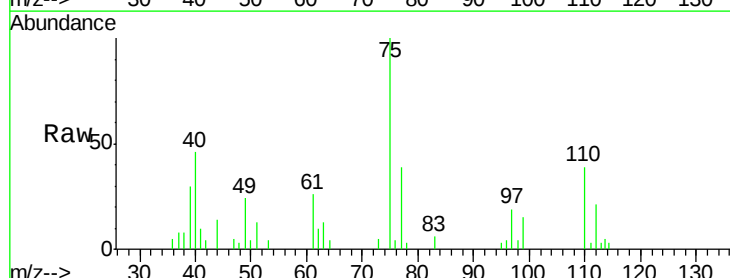
RT: 11.29 min Scan# 1663

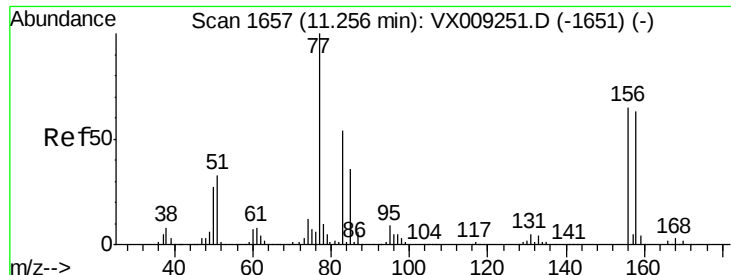
Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Tgt Ion:	75	Resp:	3096
Ion	Ratio	Lower	Upper
75	100		
77	39.3	0.0	86.4





#73

Bromobenzene

Concen: 0.961 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

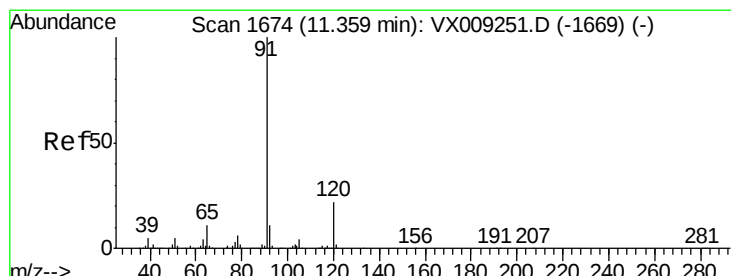
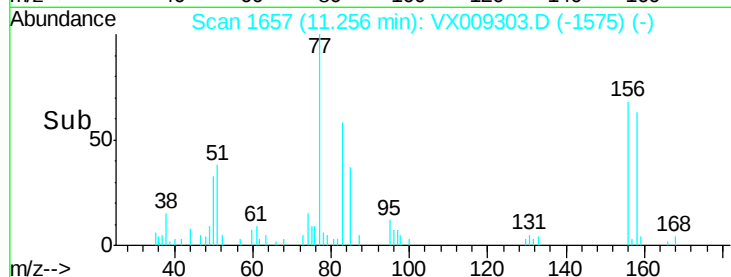
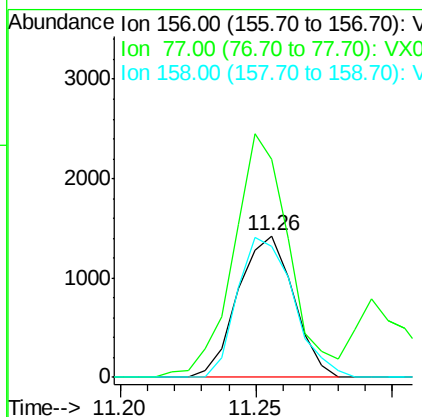
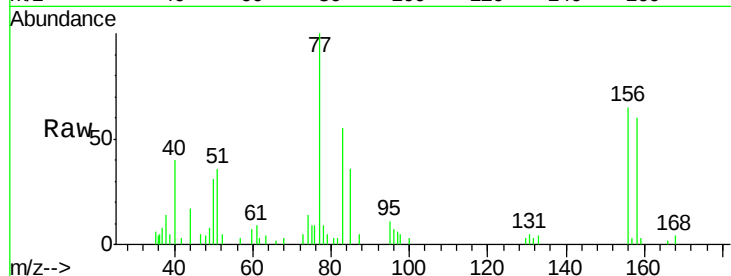
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	156	Resp:	2012
Ion	Ratio	Lower	Upper
156	100		
77	172.7	0.0	335.6
158	99.5	0.0	191.2

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#74

n-propylbenzene

Concen: 0.876 ug/l

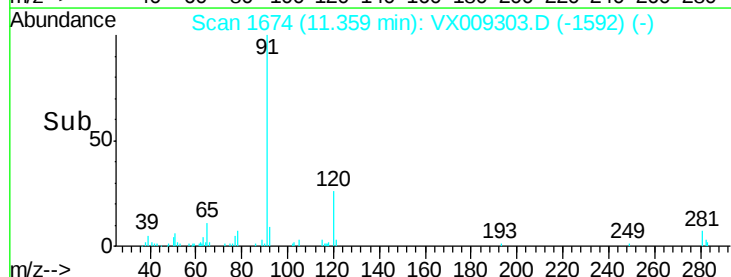
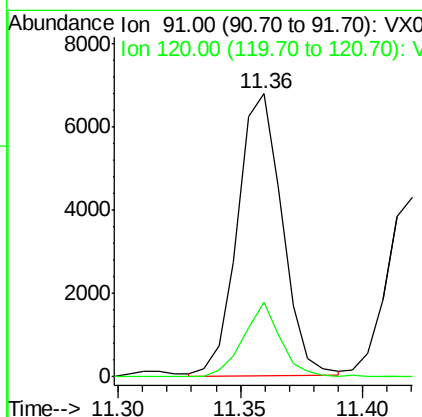
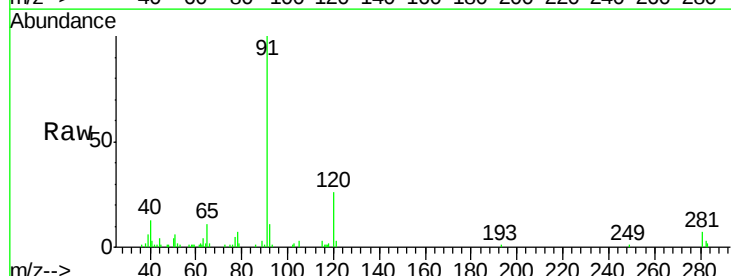
RT: 11.36 min Scan# 1674

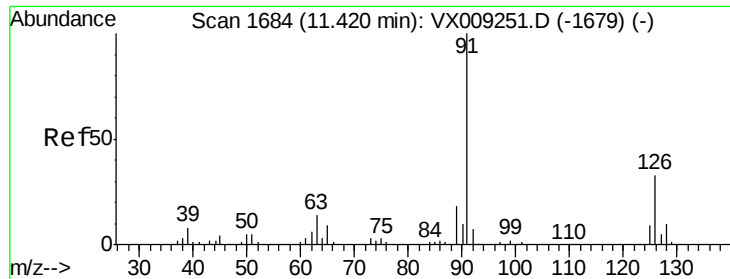
Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Tgt Ion:	91	Resp:	8601
Ion	Ratio	Lower	Upper
91	100		
120	22.0	0.0	43.4





#75

2-Chlorotoluene

Concen: 0.969 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 91 Resp: 5706

Ion Ratio Lower Upper

91 100

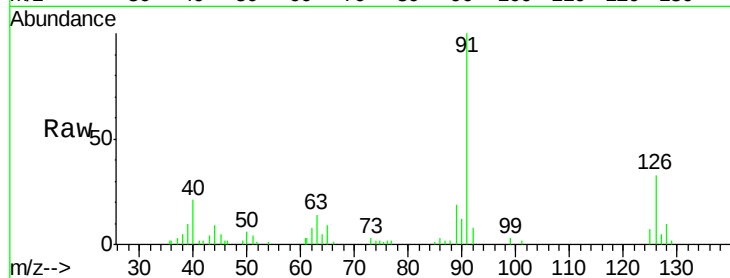
126 32.6 0.0 64.0

Manual Integrations

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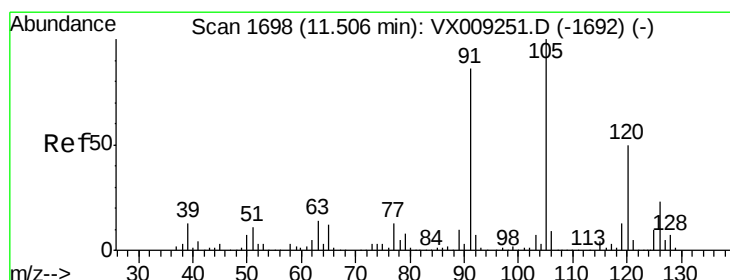
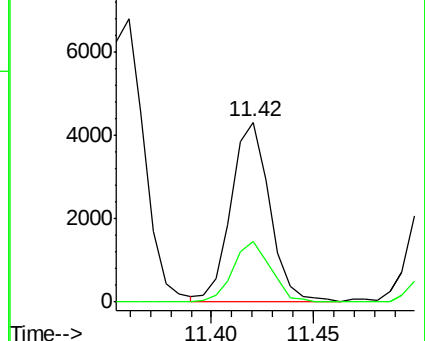
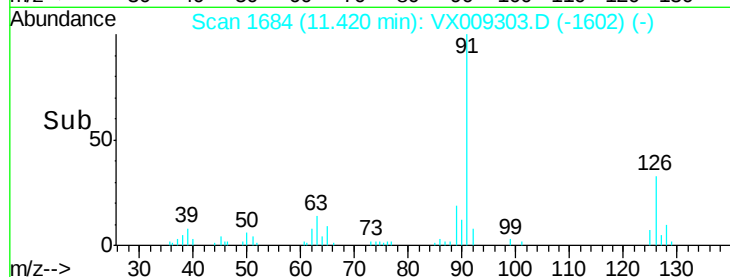
MMDadoda

5/6/2019 9:28:19 AM



Abundance Ion 91.00 (90.70 to 91.70): VX009303.D (-1602) (-)

Ion 126.00 (125.70 to 126.70): VX009303.D (-1602) (-)



#76

1,3,5-Trimethylbenzene

Concen: 0.905 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009303.D

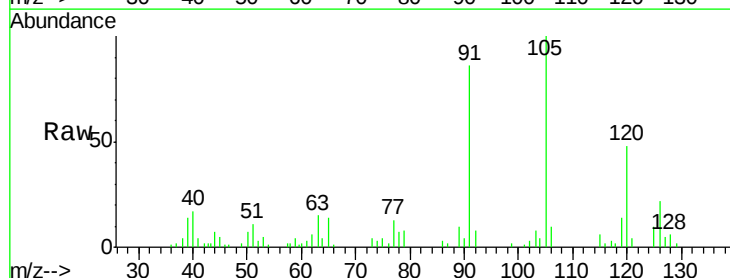
Acq: 03 May 2019 11:23

Tgt Ion: 105 Resp: 6496

Ion Ratio Lower Upper

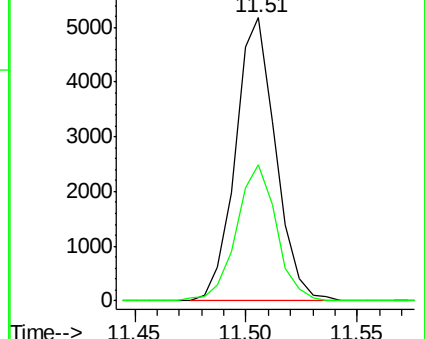
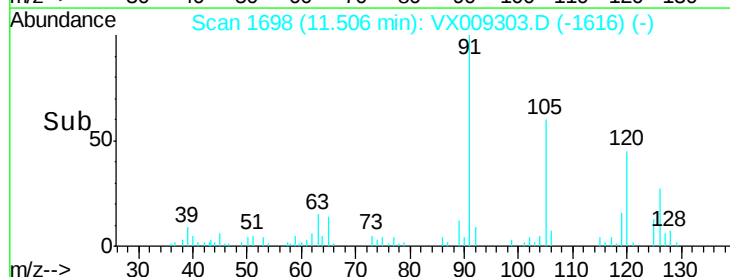
105 100

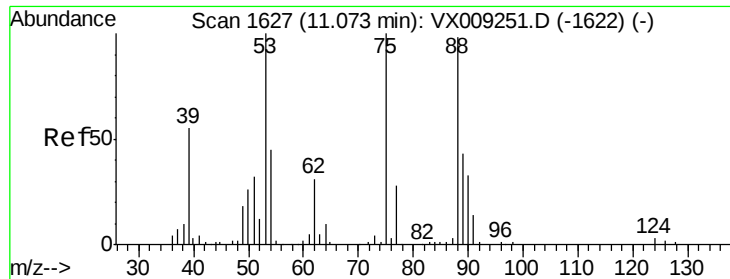
120 47.9 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009303.D (-1616) (-)

Ion 120.00 (119.70 to 120.70): VX009303.D (-1616) (-)





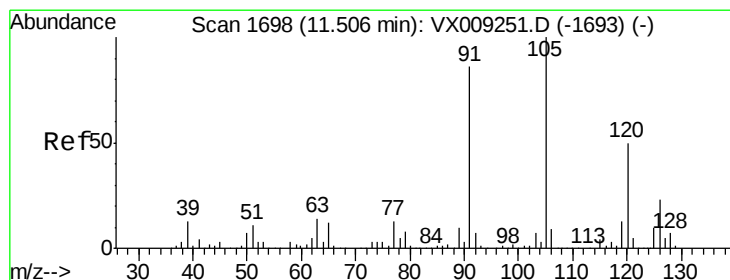
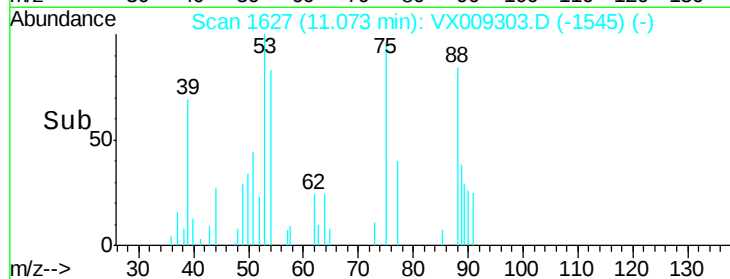
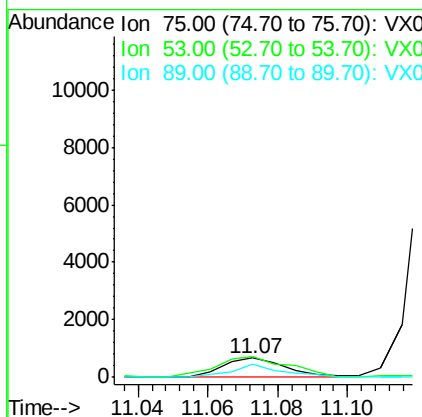
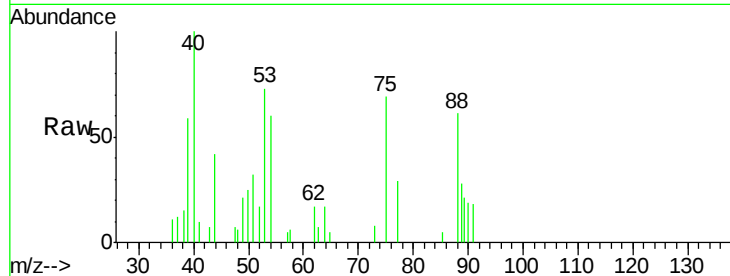
#77
t-1,4-Dichloro-2-butene
Concen: 0.785 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.2	50.0	149.8
89	70.9	21.6	65.0#

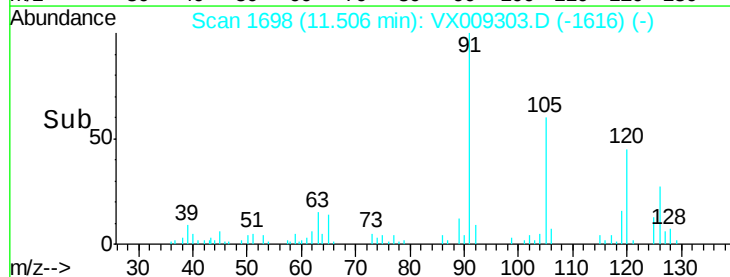
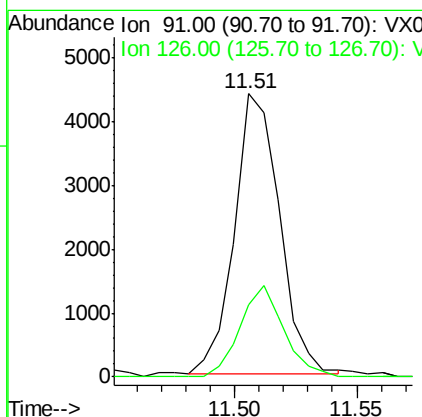
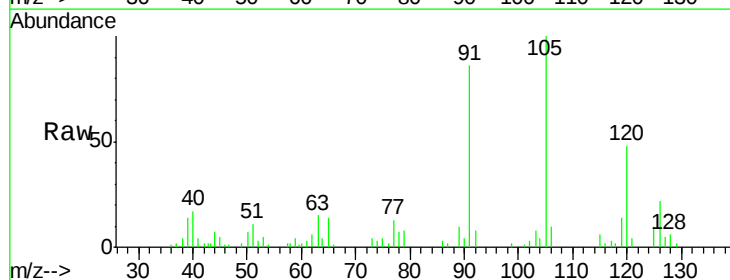
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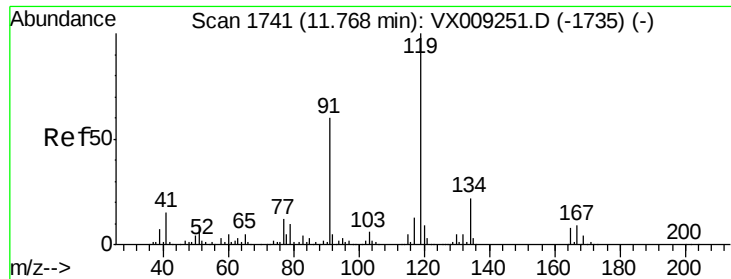
MMDadoda
5/6/2019 9:28:19 AM



#78
4-Chlorotoluene
Concen: 0.838 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	0.0	57.0





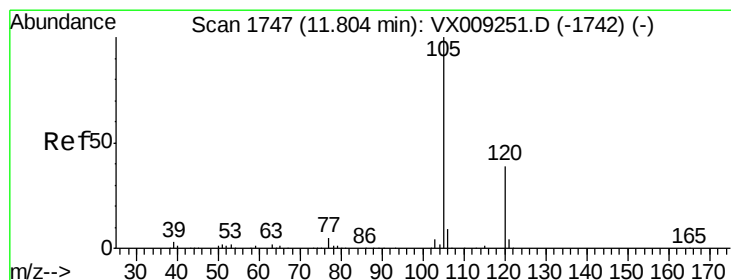
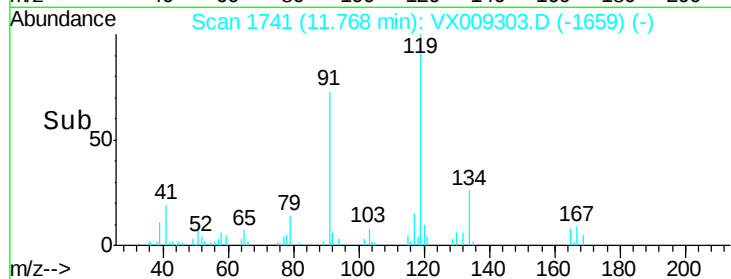
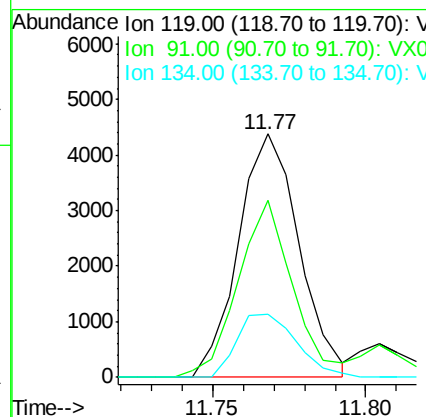
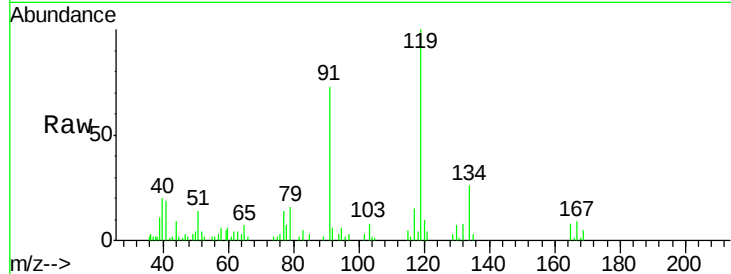
#79
tert-butylbenzene
Concen: 0.870 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
119	100	6033		
91	65.4		0.0	118.2
134	25.7		0.0	45.0

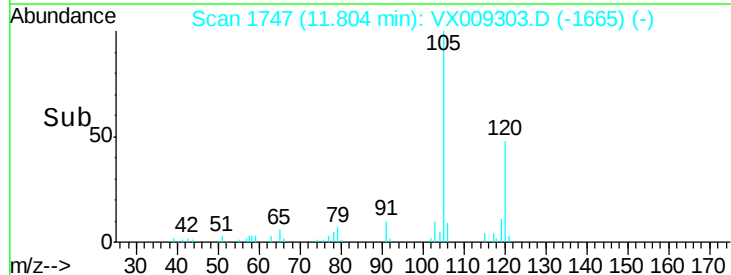
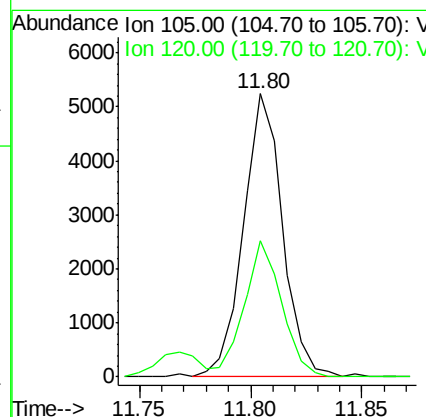
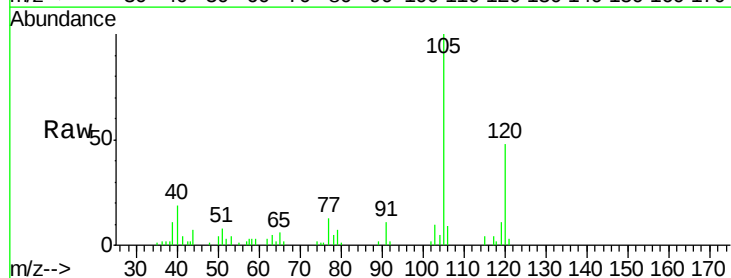
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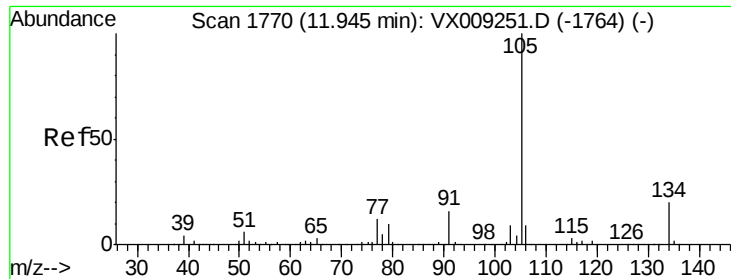
MMDadoda
5/6/2019 9:28:19 AM



#80
1,2,4-Trimethylbenzene
Concen: 0.894 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	6430		
120	46.2		0.0	89.6





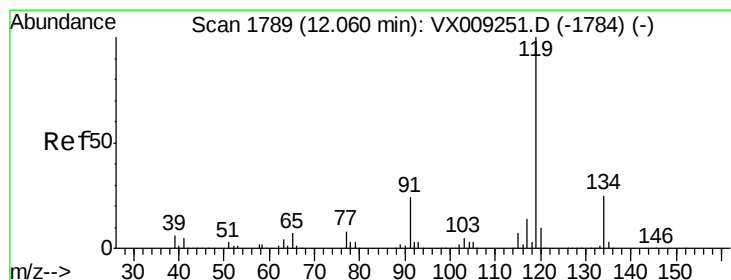
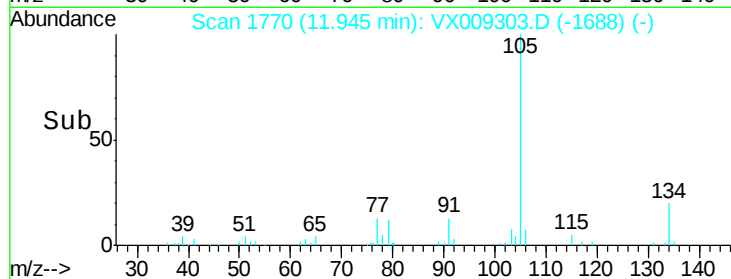
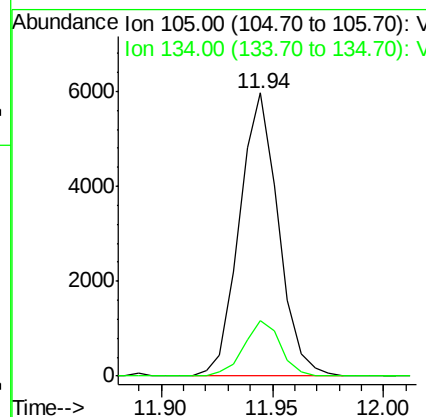
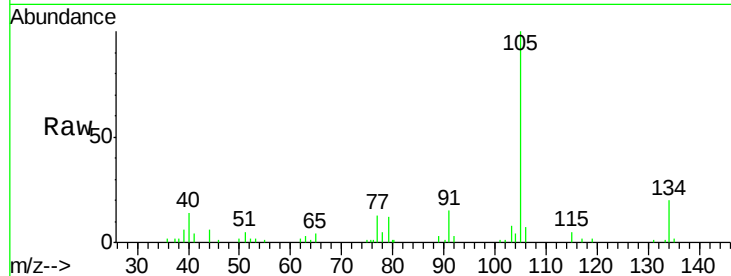
#81
 sec-Butylbenzene
 Concen: 0.882 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.4	0.0	38.6

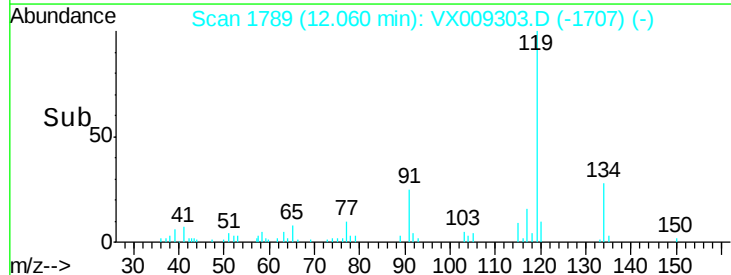
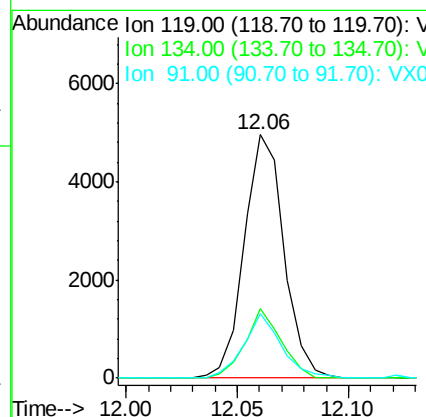
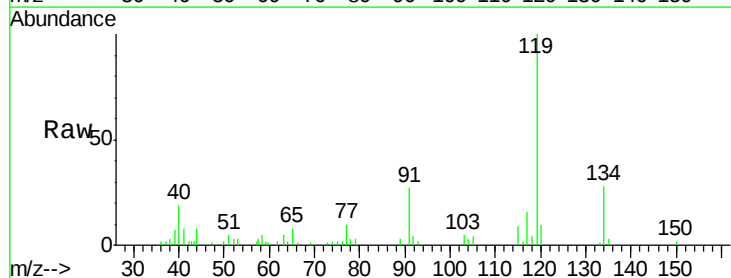
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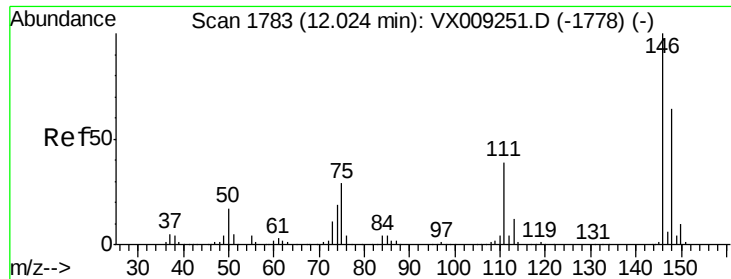
MMDadoda
 5/6/2019 9:28:19 AM



#82
 p-Isopropyltoluene
 Concen: 0.827 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	0.0	50.8
91	25.2	0.0	47.2





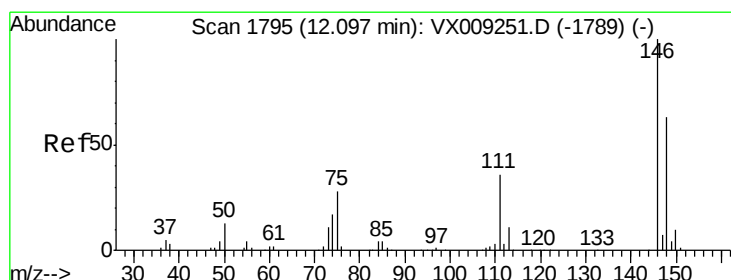
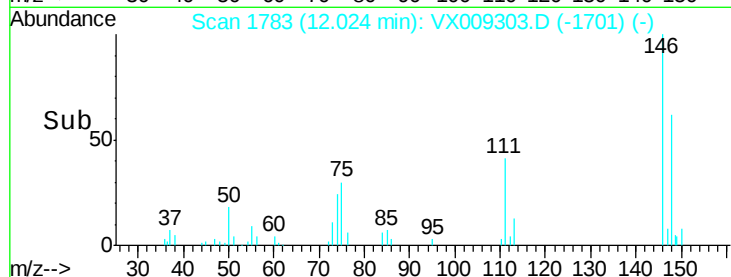
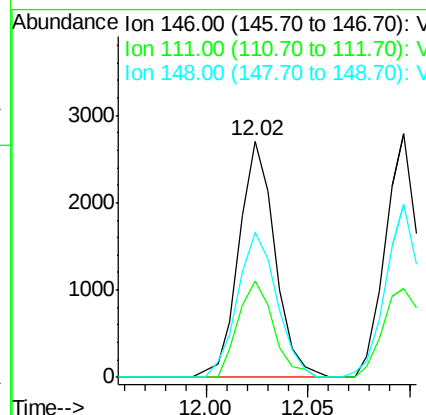
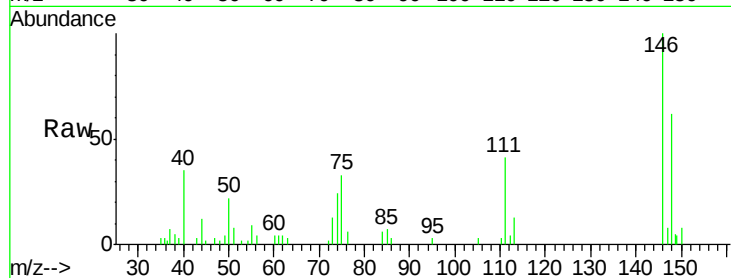
#83
 1,3-Dichlorobenzene
 Concen: 0.888 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	66.7	32.2	96.6

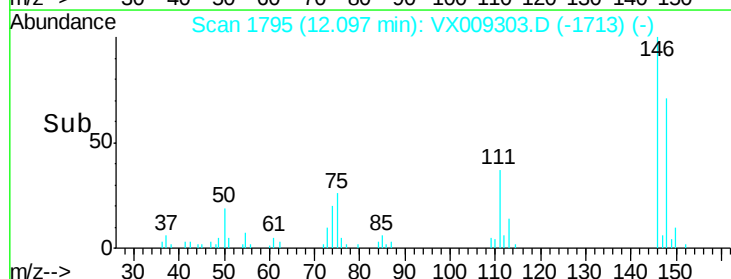
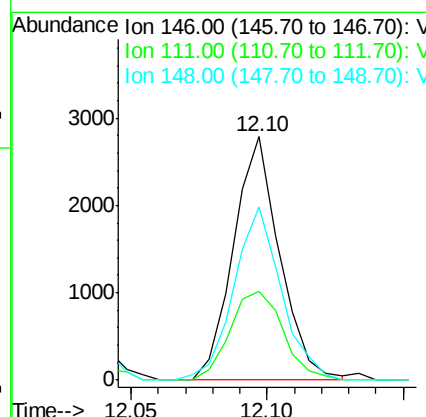
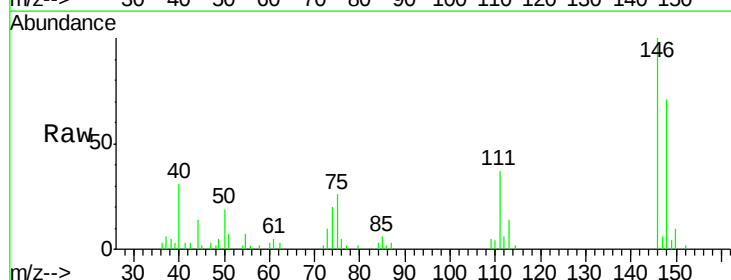
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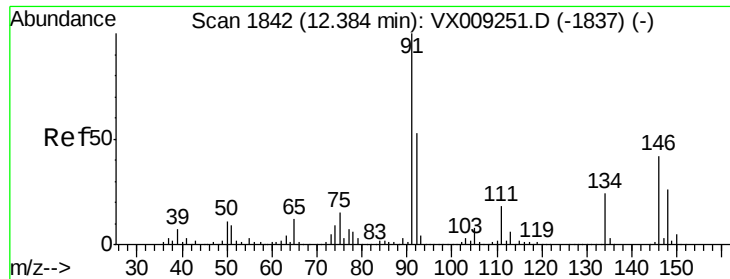
MMDadoda
 5/6/2019 9:28:19 AM



#84
 1,4-Dichlorobenzene
 Concen: 0.884 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009303.D
 Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.6	58.7
148	72.9	32.3	96.8





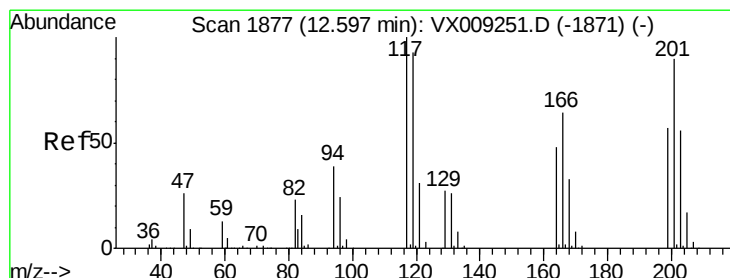
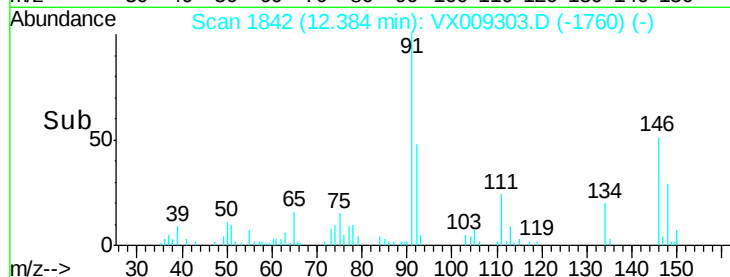
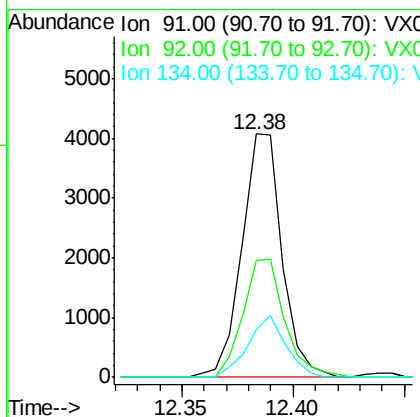
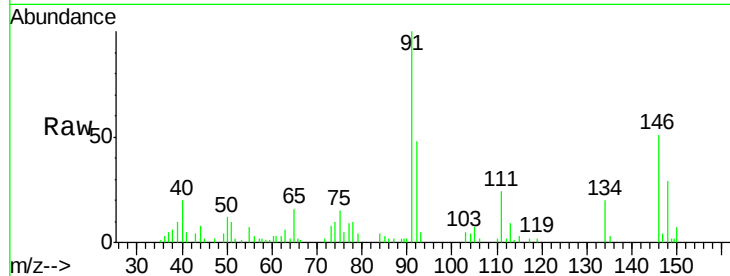
#85
n-Butylbenzene
Concen: 0.748 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	0.0	106.6
134	23.7	0.0	50.0

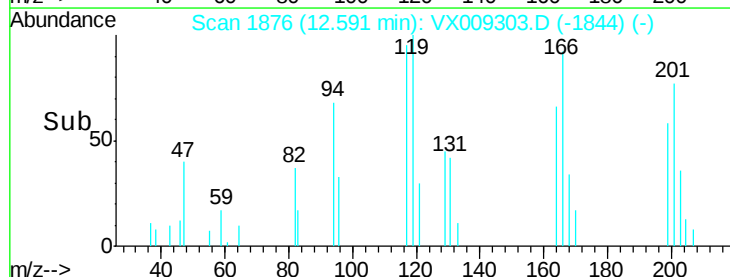
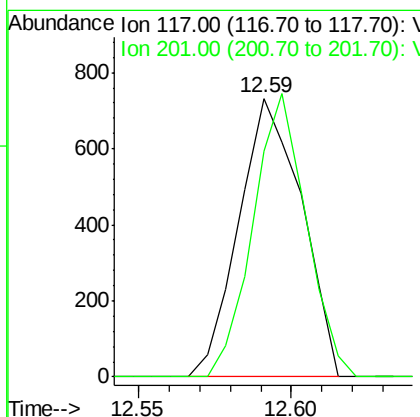
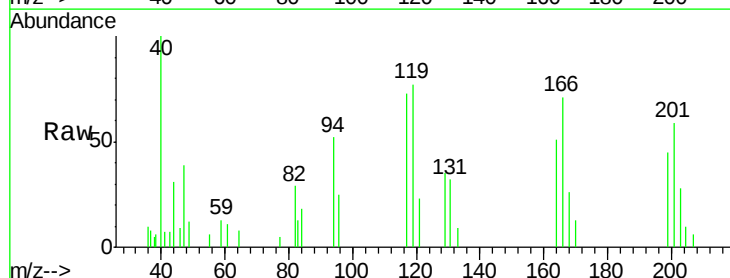
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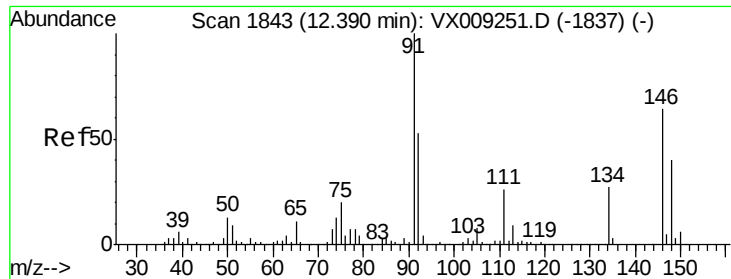
MMDadoda
5/6/2019 9:28:19 AM



#86
Hexachloroethane
Concen: 0.819 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	41.8	125.4





#87

1,2-Dichlorobenzene

Concen: 0.932 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

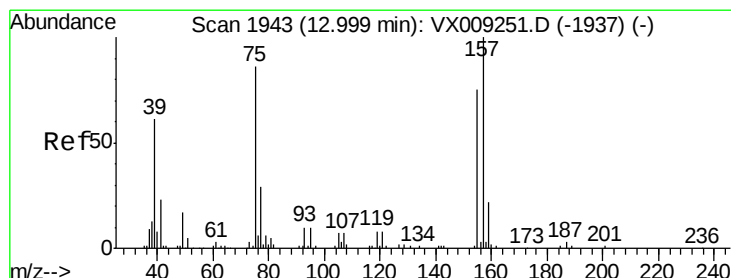
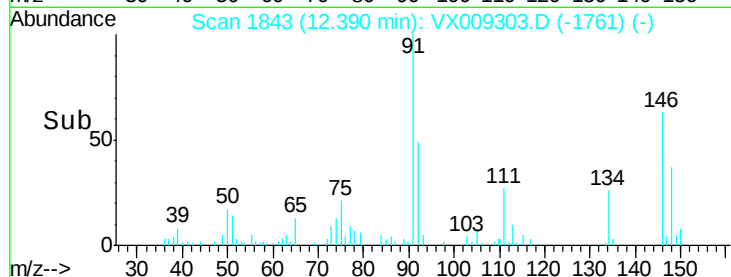
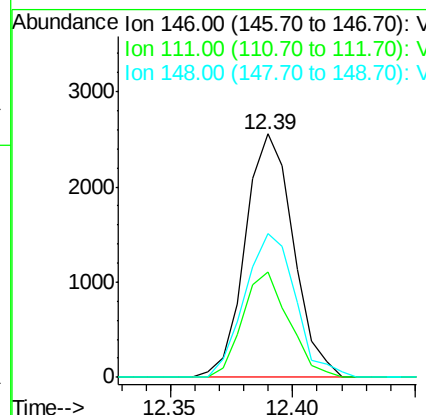
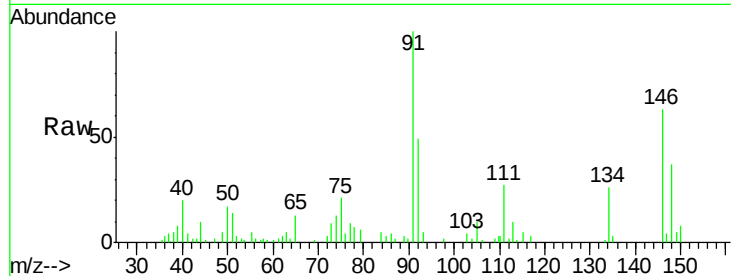
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	146	Resp:	3508
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.8	62.2
148	62.4	31.4	94.3

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5/6/2019 9:28:19 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.997 ug/l

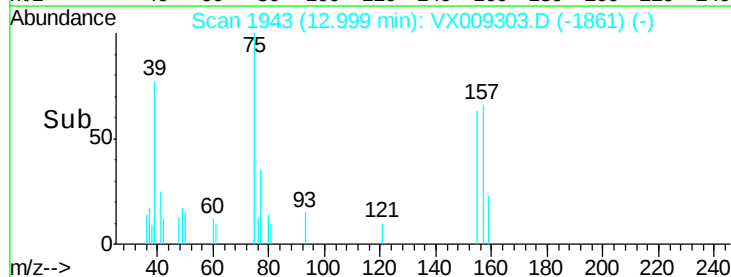
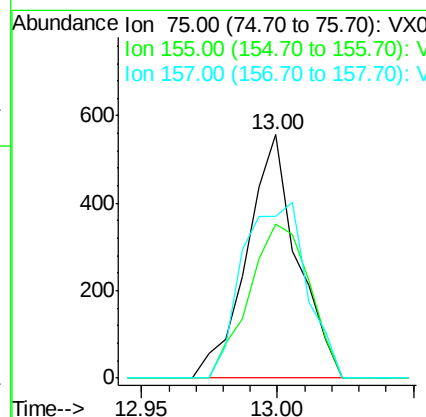
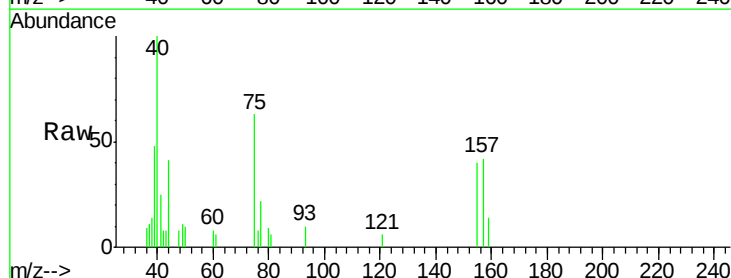
RT: 13.00 min Scan# 1943

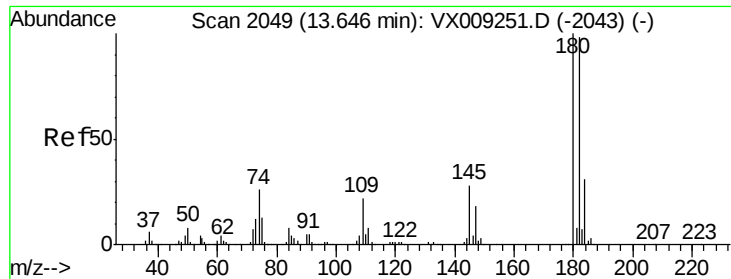
Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Tgt Ion:	75	Resp:	719
Ion Ratio	Lower	Upper	
75	100		
155	75.4	65.9	98.9
157	91.1	85.2	127.8





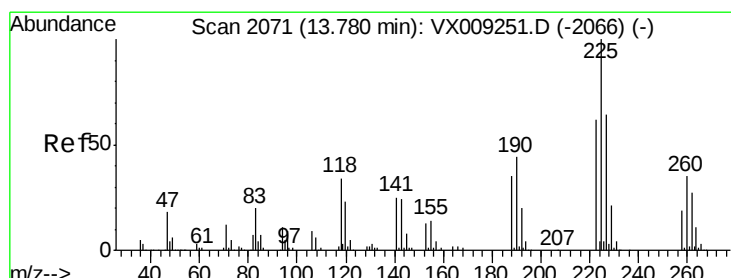
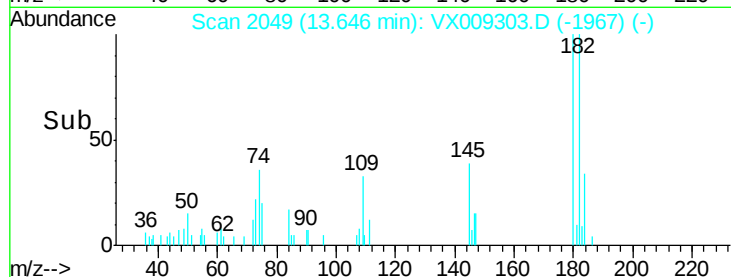
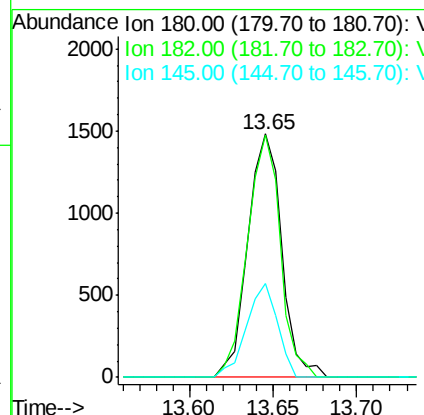
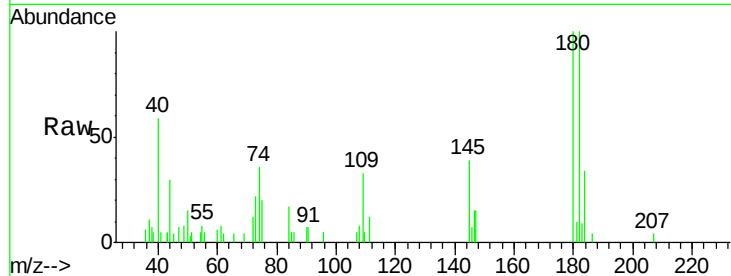
#89
1,2,4-Trichlorobenzene
Concen: 0.773 ug/l m
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	109.8	76.9	115.3
145	35.1	23.0	34.6

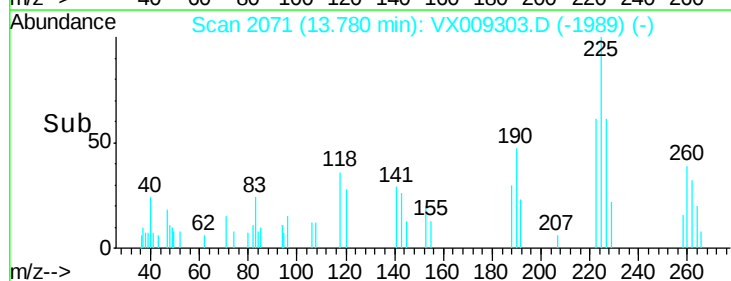
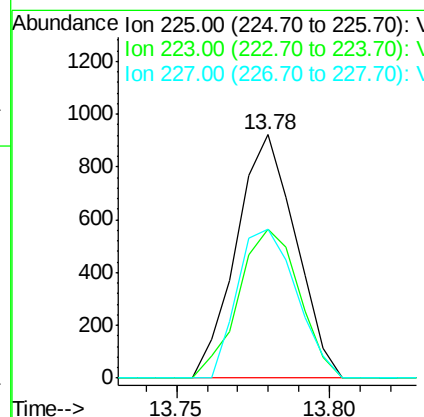
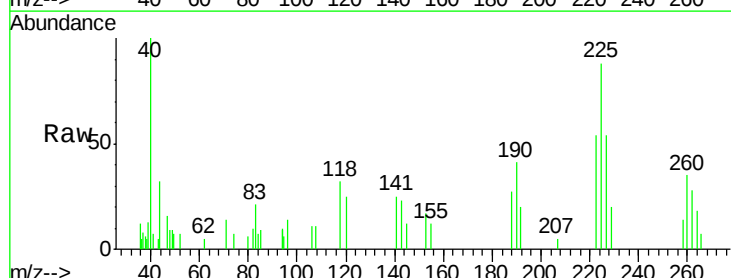
Manual Integrations
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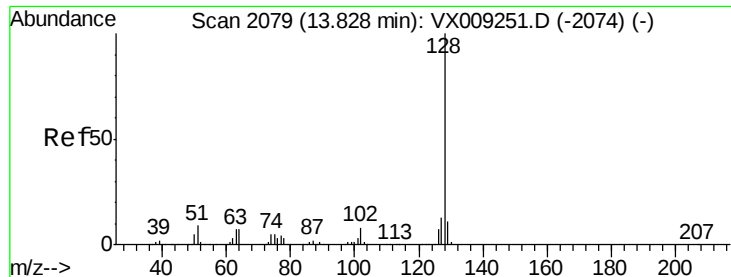
MMDadoda
5/6/2019 9:28:19 AM



#90
Hexachlorobutadiene
Concen: 0.926 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX009303.D
Acq: 03 May 2019 11:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	126.6
227	61.0	0.0	130.0





#91

Naphthalene

Concen: 0.724 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Instrument :

MSVOA_X

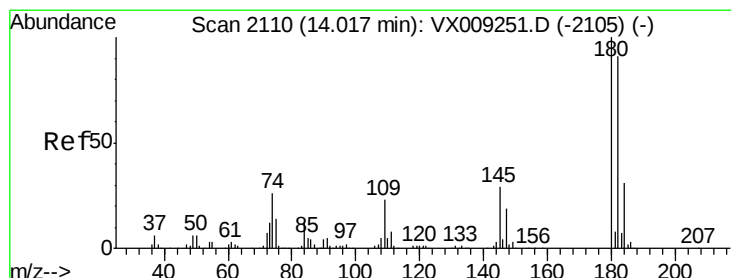
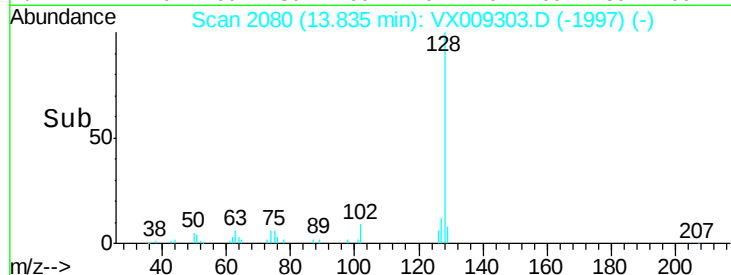
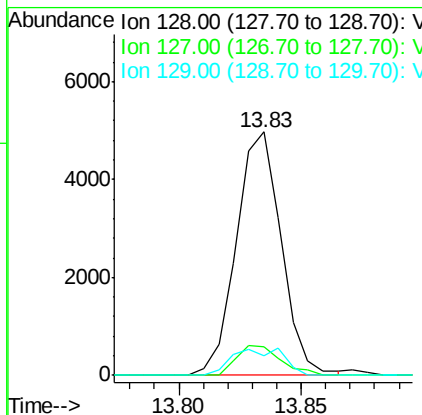
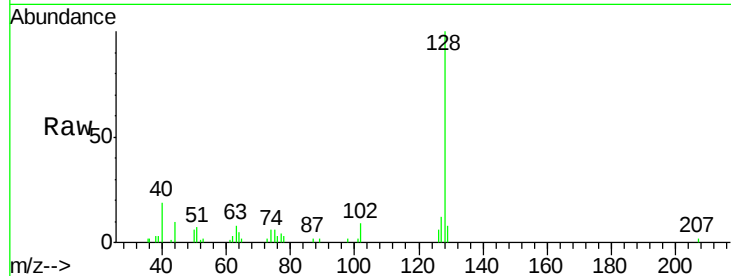
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	128	Resp:	6358
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.5	15.7
129	8.5	8.7	13.1#

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:28:19 AM



#92

1,2,3-Trichlorobenzene

Concen: 0.888 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009303.D

Acq: 03 May 2019 11:23

Tgt Ion:	180	Resp:	2420
Ion Ratio	Lower	Upper	
180	100		
182	94.1	0.0	189.0
145	30.0	0.0	61.6

